

Palvelunestohyökkäykset ja niiltä suojautuminen

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| <p>Palvelunestohyökkäykset ovat entistäkin suurempi uhka eri verkkopalveluille. Tässä tutkimuksessa selvitetään millaisia palvelunestohyökkäyksiä on olemassa ja miten niiltä voidaan suojautua. Lisäksi tutkitaan, miksi palvelunestohyökkäyksiä tehdään sekä tuodaan esiin niiden taloudellisia vaikutuksia.</p> <p>Tutkimus rajataan pahantahtoisin hyökkäyksiin. Vahingossa, ajattelemattomuudesta tai huolimattomuudesta aiheutuvat palvelunestot jätetään tutkimuksen ulkopuolelle.</p> <p>Palvelunestohyökkäyksiä on kolmen tyyppisiä: verkkokapasiteetin kuluttaminen, resurssien kyllästämisen sekä järjestelmien ja ohjelmistojen kaataminen. Kaikkiin näistä on olemassa erilaisia hyökkäys- ja puolustustapoja.</p> <p>Palvelunestohyökkäysten tekemisen motiivina toimii useimmiten raha tai joko poliittinen tai muunlainen aate. Yritykset voivat hyökätä toisiaan vastaan, ja myös järjestäytynyt rikollisuus on siirtämässä toimintaansa verkkoon.</p> <p>Tutkimuksessa käytetään tutkimusmenetelminä kirjallisuustutkimusta, haastattelua ja laboratoriokoetta. Tulokseksi saatiin kattava tutkimus erilaisten palvelunestohyökkäysten tehosta, hyökkäysten syistä ja seurauksista, sekä niiden torjumisesta.</p> <p>Työ tehtiin syksyn 2011 aikana.</p> <p>Johtopäätökseksi muotoutui, että palvelunestohyökkäyksiltä kannattaa suojautua, sillä ne ovat todellinen ja alati kasvava uhka kaikille verkossa toimiville yrityksille.</p> | |
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| <p>Denial of Service (DoS) attacks are an ever growing threat to different internet services. In this thesis, the different types of DoS attack are identified along with different methods of protecting one's business against them. In addition the reasons and economic implications behind DoS attacks are investigated.</p> <p>The research has been narrowed down to malicious attacks, while accidental Denials of Service, caused by mistakes or irresponsibility, have been left out.</p> <p>There are three different types of DoS attacks: consuming network capacity, saturating resources and crashing applications or servers. All of these have different methods of attack and defense.</p> <p>The motives behind DoS attacks are most often idealistic or economic. Political extremists use DoS attacks alongside with shady companies. Organized crime has also begun to move their operations to the Internet.</p> <p>In this research methods used were literary research, interview and a laboratory experiment. As a result we have comprehensive research on effectiveness of different attacks, causes and results of DoS attacks, and of defending against them.</p> <p>This research was conducted during the fall of 2011.</p> <p>As a conclusion, it is always a good policy to defend against DoS attacks as they are a real and ever growing threat to all businesses and services available in the Internet.</p> | |
| Key words Computer security, information technology, internet crime, firewalls | |

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Sanasto

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| ACK: | TCP-protokollan kuittauspaketti, jolla käyttäjä vahvistaa yhteyden avatuksi. Lähetetään myös jokaisen vastaanotetun paketin jälkeen kertomaan, että paketti on saapunut perille. |
| ”Anonyymit”: | Anonyymeistä Internetin käyttäjistä koostuva ryhmittymä, joka vastustaa yrityksiä kontrolloida Internetin sisältöä. |
| Asiakaskone: | Kone joka ottaa yhteyden palvelimelle. |
| CERT: | Computer Emergency Response Team. Verkon turvallisuutta ja tietoturvaaukia tutkiva organisaatio. Suomessa toimii nimellä CERT-FI. |
| DNS-pyyntö: | Nimipalvelimelle lähetetty pyyntö, joka kertoo mistä IP-osoitteesta haluttu kohde löytyy. |
| HTTP: | Hyper Text Transfer Protocol. Protokolla, jolla esimerkiksi verkkosivut toimitetaan palvelimelta asiakkaalle. |
| ICMP: | Internet Control Message Protocol. Erilaisia kontrolli- ja virheviestejä internetissä välittävä protokolla. |
| ICMP echo request: | Tutummin ping. Työkalu, jolla voidaan mitata esimerkiksi palvelimen vasteaikoja. Kertoo kauan pyynnöllä kestää mennä perille palvelimelle ja tulla takaisin. |
| IP-osoite: | Tietyn päätelaitteen Internetissä yksilöivä numerosarja. On olemassa versiot 4 ja 6, jotka tunnetaan lyhenteillä IPv4 ja IPv6. |

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| IRC: | Internet Relay Chat. Vanha, mutta edelleen suosittu keskustelualue, joka toimii hajautetusti palvelimilla ympäri maailman. |
| Palomuuuri: | Laite tai ohjelmisto, joka suodattaa ei-toivotut yhteydet pois verkkoliikenteestä. |
| Palvelin: | Tietokone, joka ottaa vastaan yhteyksiä Internetistä ja jolla palveluita ajetaan. |
| Reititin: | Kaksi verkkoa yhdistävä laite, joka lähettää liikenteen oikeaan osoitteeseen. |
| SYN: | TCP-protokollan synkronointipaketti. Tällä paketilla aloitetaan HTTP-yhteyden avaaminen. |
| SYN-ACK: | TCP-protokollaan kuuluva, palvelimelta tuleva kuittauspaketti SYN-pakettiin. Kertoo paketin lähettäjälle, että palvelin vastaa. |
| TCP | Transmission Control Protocol. Internetissä yleisimmin käytetty yhteydellinen tiedonvälityksen protokolla. |
| UDP: | User Datagram Protocol. Yhteydetön protokolla, jolla esimerkiksi pyydetään tietoja nimipalvelimelta. |
| Zombi: | Tietokone, johon on asennettu haittaohjelma, jolla kyseistä tietokonetta voidaan kontrolloida käyttäjän tietämättä. |

1 Johdanto

Palvelunestohyökkäykset ovat yleistyneet huomattavasti niiden alkuaajoista.

Ensimmäinen merkittävä palvelunestohyökkäys oli vuonna 1988 Morris-madon avulla toteutettu, lähinnä yliopistoverkkoja koskeva hyökkäys. Seuraavien 6 vuoden aikana (1989 – 1995) CERT-organisaation tilastoihin merkittiin 143 eri palvelunestohyökkäystapausta. (Hyttinen 2004, 35-36.) Nykyään hyökkäyksiä tehdään satoja tuhansia vuosittain. Nämä hyökkäykset muodostavat merkittävän teknologisen ja taloudellisen uhan monille yrityksille.

Hyökkäysten tekeminen on helpottunut valmiina saatavien hyökkäysohjelmien vuoksi. Näin ollen yksittäisten hakkerien ja pienten ryhmittymien tekemien hyökkäysten rinnalle ovat tulleet yhteisöjen tekemät hyökkäykset. (Thomas 2005, 9.) Esimerkiksi Motion Picture Association of America:n ja intialaisen Aiplex Software:n verkkosivuja kohtaan tehtiin hyökkäys tuhansien tiedostonjakajien toimesta syyskuussa 2010. Tämä hyökkäys organisoitiin lähes täysin anonyymissä 4chan-verkkoyhteisössä. (Unite the Cows 2010.) Vastaavia hyökkäyksiä on toteutettu myös esimerkiksi WikiLeaksille maksujen välittämisen estäneitä luottokorttiyhtiöitä vastaan.

Tässä tutkimuksessa tutkin eri palvelunestohyökkäyksiä ja niihin varautumista. Pyrin ottamaan selvää, miten eri palvelunestohyökkäysten tyypit eroavat toisistaan niin toteutuksen kuin suojautumisenkin osalta. Keskityn työssäni nimenomaan pahantahtoisiin hyökkäyksiin ja jätän vahingossa tapahtuneet palvelunestot tutkimuksen ulkopuolelle.

Tietoa palvelunestohyökkäysten toteuttamisesta löytyy paljonkin, mutta niiden torjumiseen liittyvä tieto on vaikeammin löydettävissä. Lisäksi vertailuja eri hyökkäystapojen tehokkuudesta ja suojaustapojen eroista ei juurikaan ole löydettävissä. Palvelunestohyökkäysten syistä löytyy hajanaista tietoa, joka keskittyy lähinnä piratismiin ja antipiratismiin, mutta hyökkäyksillä on myös muita kohteita. Pyrin tuomaan esiin myös näihin muihin kohteisiin kohdistuvien hyökkäysten syitä.

Oletettavasti tutkimuksia eri hyökkäystapojen tehosta sekä torjunnasta on olemassa, mutta ne eivät ole julkisia. Tästä syystä tämä tutkimus on merkittävä, sillä tässä tutkimuksessa oleva tieto on julksita ja kaikkien saatavilla. Tuloksista on myös konkreettista hyötyä palveluiden suunnittelijoille, tekijöille ja ylläpitäjille.

2 Teoreettinen tausta

Tässä luvussa selvitan teorit palvelunestohyökkäysten tekemisen ja niiden torjumisen taustalla. Hyökkäystapoja on useita ja niiden torjumiseen tarvittavat toimenpiteet vaihtelevat hyökkäystavan mukaan.

2.1 Hyökkääminen

Palvelunestohyökkäykset voidaan jakaa kolmeen luokkaan:

- verkkokapasiteetin kulutus
- resurssien kyllästäminen
- järjestelmien ja sovellusten kaataminen (Hytinen 2004, 28)

Kukin näistä vaatii erilaiset hyökkäystavat, joita käsittelem seuraavaksi tarkemmin.

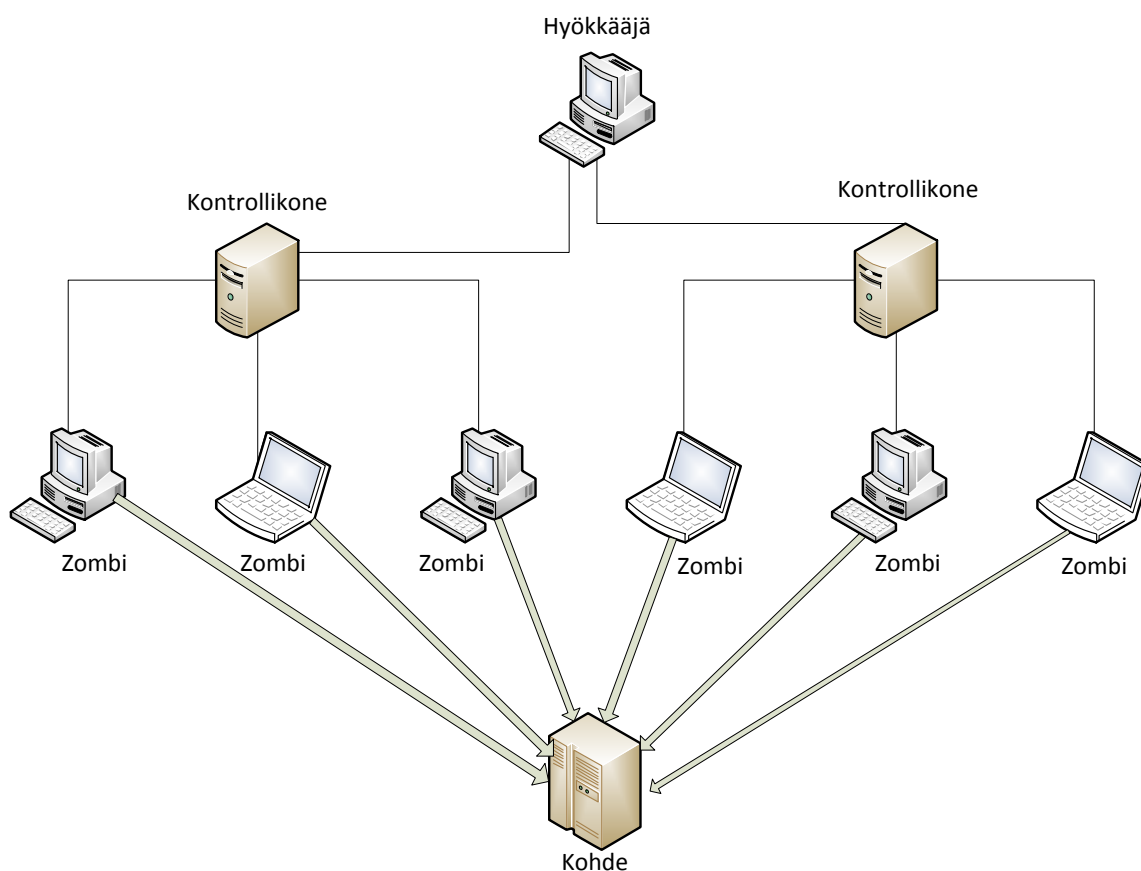
2.1.1 Verkkokapasiteetin kulutus

Tässä luokassa tehtävät hyökkäykset pyrkivät käyttämään kohteen koko verkkokapasiteetin niin tehokkaasti, että joko oikeat pyynnöt palvelimelle tai vastaukset pyyntöihin eivät pääse perille. Hyökkäyksen ei välttämättä tarvitse estää pyyntöjä kokonaan. Toisinaan riittää, että pyyntöjä hidastetaan riittävästi. Mikäli pyyntöön ei vastata kymmenessä sekunnissa tai sivun latautuminen kestää kauemmin kuin 10 sekuntia, palvelin koetaan käyttökelvottomaksi (Souders 2009, 10).

Verkkokapasiteetin kuluttamiseen on useita tapoja. Näitä ovat muun muassa sekä ICMP-tulvitus että UDP-tulvitus. ICMP-tulvituksessa hyökkääjä lähettää kohdekoneelle suuria määriä ICMP echo request -paketteja, joihin on väärennetty lähettäjän osoitteeksi kohdekoneen osoite (Thomas 2005, 360). Tällöin kohde vastaa itselleen tuplatan verkkoliikenteen määrän. Vaihtoehtoisesti voidaan verkon levitysosoitetta käyttäen saman verkon kaikille muille koneille lähettää ICMP echo request -paketteja kohdekoneen lähettäjätiedoilla, jolloin kaikki muut verkon koneet vastaavat kohdekoneelle. Tällaista hyökkäystä kutsutaan smurfing-hyökkäykseksi ja sillä

vaatimatonkin verkkokaista saadaan moninkertaistettua. (Ruohonen 2002, 330.) UDP-tulvituksessa periaate on sama, mutta ICMP-pakettien sijaan käytetään UDP-protokollaa käyttäen suuria määriä paketteja, esimerkiksi väärennetyjä DNS-pyyntöjä (Thomas 2005, 39). Näiden lisäksi on olemassa muitakin tapoja kuluttaa verkkokapasiteettia, esimerkiksi sähköpostipalvelinta voidaan kuormittaa lähettämällä suuria määriä suuria liitetiedostoja sisältäviä viestejä olemattomiin osoitteisiin (CERT-FI 2007a).

Yleensä verkkokapasiteettia kuluttavien hyökkäysten tekemiseen käytetään suurta zombikoneiden muodostamaa niinsanottua botnettä (Kuvio 1), jolla hyökkäys saadaan tulemaan suuresta joukosta lähdekoneita ja näin ollen sitä vastaan on vaikeampi suojautua. Yksittäisten IP-osoitteiden suodattaminen ei näissä tapauksissa ole hyödynnettävissä oleva vaihtoehto jolloin puhutaan hajautetusta palvelunestohyökkäyksestä. (CERT-FI 2007a, 2007b.)



Kuvio 1: Botnetti

Botnetin kautta tehtävissä hyökkäyksissä hyökkääjä ottaa ensin yhteyden muutamaaan hallintakoneeseen, joihin hyökkäyksessä käytettävät zombikoneet ovat yhteydessä. Nämä hallintakoneet saattavat olla esimerkiksi julkisia IRC-palvelimia, joihin murretut koneet ottavat yhteyden haittaohjelman tartuttamina. (Romano, Rosignoli & Giannini 2005.)

2.1.2 Resurssien kyllästäminen

Resurssien kyllästämisellä on tarkoitus kuluttaa kohteen fyysiset resurssit, kuten muisti tai kiintolevytila loppuun (Hyttinen 2004, 29). Esimerkiksi niinsanotulla SYN-tulvitushyökkäyksellä pyritään avaamaan lyhyessä ajassa niin paljon puoliavoimia yhteyksiä, että kohdekoneen muisti loppuu kesken ja palvelin kaatuu (Thomas 2005, 39). Normaalisti avattaessa http-yhteyttä asiakas lähettää palvelimelle SYN-paketin. Kun palvelin vastaa, se lähettää takaisin SYN-ACK-paketin. Tämän jälkeen asiakaskone lähettää vielä yhden ACK-paketin, jonka jälkeen yhteys on auki. Hyökkäyksessä lähettäjän IP-osoite on kuitenkin väärennetty, joten lopullista vastausta ei koskaan saada. Yhteys jää tällöin puoliavoimeksi ja se hylätään vasta aikakatkaisulla, jolloin se syö palvelimen resursseja. Mikäli yhteyspyyntöjä tulee nopeammin kuin niitä keretään hylkäämään, palvelimen muisti alkaa täyttyä, eikä laillisiin yhteyspyyntöihin kyetä vastaamaan. (Thomas 2005, 361.)

Erilaisten webhotellien, eli palveluiden, joissa käyttäjät voivat julkaista omia www-sivujaan, levytila saattaa olla mahdollista täyttää luomalla tili tekaistulla identiteetillä ja lähettämällä palvelimelle suuri määrä suuria tiedostoja. Mikäli palvelinten levytila saadaan kulutettua loppuun, estyy laillisten käyttäjien tiedostojen lähettäminen. Lisäksi palvelun toiminnan kannalta välttämättömien väliakaistiedostojen luominen saattaa estyä, jolloin tuloksena on palvelunesto. (Ala-Ilkka 12.10.2010.)

Sähköpostitilin käyttöön kohdistuva palvelunesto voidaan toteuttaa lähettämällä sähköpostiosoitteeseen suuri määrä liitetiedostoja, jotka kuluttavat käyttäjän levytilan loppuun. Tällöin laillisen sähköpostin perille meno estyy (Hyttinen 2004, 29).

2.1.3 Järjestelmien ja sovellusten kaataminen

Järjestelmien ja sovellusten kaatamiseen tähtäävät hyökkäykset pyrkivät yleensä hyödyntämään jotain sovelluksessa tai verkkoprotokollan toteutuksessa olevaa ohjelmointivirhettä, jota hyväksikäyttämällä järjestelmä saadaan kaatumaan (Hyttinen 2004, 30). Nämä hyökkäykset ovat vaikeampia toteuttaa, mutta muihin luokkiin kuuluvia hyökkäyksiä vaarallisempia, sillä näiden toteuttamiseen ei tarvita suurta verkkokapasiteettia tai laskentatehoa (Howard & LeBlanc 2004, 293-294).

Järjestelmien tai sovellusten kaatamiseen tähtäävät hyökkäykset perustuvat yleensä siihen, että ylisuurella tai virheellisesti muotoillulla paketilla aiheutetaan palvelimelle puskurin ylivuoto. Tällöin palvelinohjelmisto tai jopa palvelimen käyttöjärjestelmä saadaan kaatumaan (Hyttinen 2004, 30; Howard & LeBlanc 2004, 294). Esimerkkinä tällaisesta hyökkäyksestä Howard ja LeBlanc (2004, 294-297) mainitsevat Ping of Death-hyökkäyksen. Kyseisessä hyökkäyksessä kohteelle lähetetään väärin muodostettu ICMP echo request -paketti, jonka pituus ylittää sille määritellyn maksimikoon jolloin järjestelmä kaatuu.

2.2 Puolustautuminen

Eri palvelunestohyökkäystapoja vastaan tarvitaan erilaiset puolustusmekanismit. Osa puolustautumistavoista ovat ennaltaehkäiseviä, toisia voidaan käyttää vasta hyökkäyksen ollessa jo käynnissä. Ensiarvoisessa asemassa palvelunestohyökkäyksen sattuessa on palvelun riittävä valvonta, jotta hyökkäys voidaan havaita (Ala-Ilkka 12.10.2010). Seuraavaksi käyn läpi erilaisia tapoja suojautua palvelunestohyökkäyksiltä.

2.2.1 Verkkokapasiteetin kulutus

Yksinkertaisin tapa suojautua verkkokapasiteettia kuluttavalta hyökkäykseltä on kapasiteetin reilu ylityöittäminen. Verkon eri osien on kuitenkin oltava tasapainossa keskenään, sillä muulloin johonkin kohtaan verkkoa saattaa muodostua pullonkaula, jolloin muun kapasiteetin ylityöittamisellä ei ole käytännön merkitystä. Mikäli esimerkiksi palomuurin kapasiteetti on riittämätön tietoliikenneverkon nopeuteen nähden, ei verkon ylimääräisestä nopeudesta ole enää hyötyä. (CERT-FI 2007b.)

Toinen tehokas konsti on suodattaa palvelimelle kuulumaton liikenne pois palomuurilla. Tällöin kannattaa noudattaa ”kiellä ensin, salli sitten” –sääntöä (Allen 2001, 9; Ala-Ilkka 12.10.2010), jolloin estetään oletuksena kaikki liikenne ja sen jälkeen sallitaan tarvittavat palvelut. Tästä ei kuitenkaan aina ole hyötyä, mikäli palvelinta kuormitetaan massiivisella määrällä HTTP-pyyntöjä, joiden salliminen on palvelun toimimisen kannalta pakollista. (CERT-FI 2007b.) Mikäli hyökkäys tulee vain yhdestä lähdeosoitteesta, se pystytään suodattamaan helposti jo verkon reunalaitteilla eikä se pysty aiheuttamaan kovin pitkäaikaista haittaa (Ala-Ilkka 12.10.2010).

Kuormantasaimen käyttö lisää myös selkeästi järjestelmän kykyä selviytyä verkkokapasiteettia kuluttavasta hyökkäyksestä. Tällöin palvelimet on hajautettu ja niille tuleva liikenne ohjataan erillisen kuormantasajaan kautta. Kun palvelimia on useita, ne kestävät huomattavasti suuremman määrän kuormitusta. (Ala-Ilkka 12.10.2010; CERT-FI 2007b.) Esimerkiksi Google on hajauttanut palvelimensa ympäri maailmaa ja mikäli jokin palvelin joutuu hyökkäyksen kohteeksi, voidaan liikenne ohjata tehokkaasti muille palvelimille (CERT-FI 2007a).

Pienien ja pienehköjen palveluiden ei välttämättä ole järkevää hajauttaa palvelimia ympäri maailmaa, jolloin laaja ja erittäin hajautettu hyökkäys pystyy kaatamaan palvelun. Tällöinkin voidaan suodattaa liikennettä maantieteellisin perustein. Esimerkiksi suodattamalla kaikki ulkomaan liikenne pois palvelutaso kärsii selkeästi, mutta palvelu pystytään kuitenkin pitämään edes osittain käytössä. (Ala-Ilkka 12.10.2010.)

UDP- ja ICMP-tulvitukselta on myös mahdollista suojautua ohjelmallisella tasolla. Käytännössä ohjelmoidaan järjestelmä sellaiseksi, että se ei koskaan vastaa omasta osoitteestaan tuleviin pyyntöihin, tai asetetaan järjestelmään jokin ICMP- ja UDP-liikenteen taso, jonka ylittyttyä pyyntöihin ei vastata (Howard & LeBlanc 2004, 305-306).

Aina hyökkäystä vastaan puolustautuminen ei ole kohteen omissa käsissä. Mikäli esimerkiksi hyökkäys tukkii palveluntarjoajan verkkoliikenteen siten, etteivät pyynnöt

koskaan pääse palvelimelle asti, ei kohde pysty tekemään käytännössä mitään tilanteen torjumiseksi. On myös mahdollista saada aikaan palvelunesto hyökkäämällä kokonaan toisen järjestelmän kuten esimerkiksi nimipalveluiden kimppuun. (Ala-Ilkka, 12.10.2010.) Edellä mainitun perusteella onkin tärkeää ottaa hyökkäyksiin varautuminen huomioon valitessaan palveluntarjoajia ja muita yhteistyökumppaneita.

2.2.2 Resurssien kyllästäminen

Resurssien kyllästämiseltä suojautumiseen pätevät osin samat periaatteet kuin verkkokapasiteetin kuluttamiselta suojautumiseen. Kuormantasaimen käyttäminen auttaa palvelua kestämään huomattavaakin häirintää kaatumatta (CERT-FI 2007b).

Resurssien kyllästämiseltä voidaan suojautua osin myös ohjelmallisella tasolla. Järjestelmä saadaan kestämään hyvin suuri määrä SYN-tulvitusta varaamalla yhdelle puoliavoimelle yhteydelle mahdollisimman vähän muistia. Tällöin istunnolle ladataan palvelun käyttöön tarvittavat koodit vasta kun yhteys on avattu kokonaan. Lisäksi yksittäisen kävijän avaamien yhteyksien määrää voidaan rajoittaa kiintiöillä tai resurssien käydessä vähiin voidaan lyhentää puoliavoimen yhteyden aikakatkaisuaikaa. (Howard & LeBlanc 2004, 304-305.) Lisäksi palvelimen yhteyksien määrää voidaan rajoittaa, jolloin palvelu saattaa olla saavuttamattomissa, mutta järjestelmä ei kaadu ja voi näinollen jatkaa toimintaansa välittömästi hyökkäyksen päätyttyä. Tässä tulisi kuitenkin löytää sopiva tasapaino, jossa yhteyksiä sallitaan mahdollisimman paljon turvaten kuitenkin järjestelmän muistin riittävyys (Allen 2001, 91).

Levytilan täyttämiseen pyrkiviä hyökkäyksiä voidaan hidastaa ja torjua rajoittamalla yhden asiakkaan palveluun lataaman datan määrää ja/tai yksittäisen tiedoston kokoa. Lisäksi voidaan hidastaa rajaa lähestyvien käyttäjien siirtokaistan nopeutta, jolloin muiden käyttäjien käyttöön jää enemmän kaistaa ja samalla levyn täytyminen hidastuu. Lisäksi palvelun toimivuus voidaan taata rajoittamalla kaikkien asiakkaiden yhteensä käyttämän datan määrää, jolloin palvelun toiminnalle tarpeellinen määrä tilaa pidetään aina vapaana. Tämän voi tehdä esimerkiksi pitämällä käyttöjärjestelmä ja asiakkaiden tiedostot eri levyosioilla. Tämän tyyppisiin hyökkäyksiin pätee myös CERT-FI:n (2007a) ohje kapasiteetin kasvattamisesta. Mikäli kyseessä on palvelu, johon asiakkaat eivät itse

pysty syöttämään dataa, voidaan kaikki palvelinohjelmiston pysyvät kirjoituskomennot logeja lukuunottamatta hylätä, jolloin levytilan kulutus voidaan minimoida (Allen 2001, 91-92).

Sähköpostipalvelimet pyrkivät myös estämään sähköpostilaatikoiden täyttämistä asettamalla rajoituksia sekä lähtevien, että saapuvien viestien koolle. Esimerkiksi Sonera (2010a; 2010b) rajoittaa sekä lähtevien että saapuvien viestien kooksi 100 megatavua ja rajoittaa myös lähetettävien liitteiden määrän neljään. Aina tämäkään ei riitä, vaan lähetyksistä huolehtiva ohjelma saattaa häiriön tai ohjelmointivirheen vuoksi alkaa kuluttaa liikaa levytilaa. Tällöin valvonta näyttelee erittäin tärkeää roolia tilanteen havaitsemisessa ja järjestelmien suojaamisessa. (Ala-Ilkka 12.10.2010.)

2.2.3 Järjestelmien ja sovellusten kaataminen

Järjestelmien ja sovellusten kaataminen perustuu usein puutteelliseen syötteen tarkistukseen tai muuhun tietoturva-aukkoon ohjelmassa (Hyttinen 2004, 30; Howard & LeBlanc 2004, 293). Käytännössä siis ongelmat liittyvät koodin laatuun tai tilanteeseen, jollaista sovelluksen tehnyt ohjelmoija ei ole osannut ennakoida. Paras suojauskeino järjestelmien ja sovellusten kaatamista vastaan on tehdä alusta asti tietoturvallinen ohjelma (Howard & LeBlanc 2004, 4).

Läheskään aina ohjelmistoja ei kuitenkaan koodata alusta asti itse, jolloin mahdollisia tietoturva-aukkoja on olemassa. Esimerkiksi www-palvelinsovellukselle sisältöä tarjoava sovellus on hyvinkin saatettu tehdä itse palvelinsovelluksen ollessa on yleisesti saatavilla. Tällöin on tärkeää pitää ohjelmisto ajan tasalla huolehtimalla tietoturvapäivityksistä. (Ala-Ilkka 12.10.2010.)

2.3 Miksi palvelunestohyökkäyksiä tehdään?

Shay Chen (2007, 6) jakaa palvelunestohyökkäysten tekijät viiteen pääkategoriaan:

- Hauskanpitäjät
- Aktivistit

- Terroristit
- Kilpailevat yritykset
- Armeija

Näistä kaikilla on omat syynsä tehdä palvelunestohyökkäyksiä.

Hauskanpitäjät tekevät hyökkäyksiä yksinkertaisesti siitä syystä, että se on mahdollista. Näissä hyökkäyksissä motiivina ei ole raha, vaan maine ja kunnia. Onnistunut hyökkäys tunnettua kohdetta vastaan tuo hyökkääjälle mainetta. (Behr 2010.)

Aktivistit pyrkivät tuomaan oman viestinsä paremmin näkyville tai estämään kilpailevan aatteen viestin perille pääsyn. Esimerkiksi salaisia dokumentteja julkaisevaa WikiLeaks-sivustoa kannattavat ”Anonyymit” hyökkäsivät maksunvälittäjä PayPalin sivuille joulukuussa 2010, koska PayPal oli jäädyttänyt WikiLeaksin tilin (Horn 2010).

Terroristit pyrkivät aiheuttamaan epävakautta ja sotia sekä kylvämään propagandaa tai estämään ei-haluttujen palveluiden toiminnan (Chen 2007, 6). Tähän luokkaan luetaan myös valtioiden harrastama terrorismi. Muunmuassa tiibetiläisten maanpakolaisten suosituin tiedonjakelukanava Phayul.com joutui palvelunestohyökkäyksen kohteeksi marraskuussa 2010. Samoin Burman valtio joutui vastaavanlaisen hyökkäyksen kohteeksi juuri samaan aikaan olleiden vaalien aikaan. (Wangyal 2010.)

Harmaalla alueella, esimerkiksi seksin tai uhkapelien parissa, operoivat yritykset käyttävät myös herkemmin arveluttavia keinoja kilpailijoidensa häiritsemiseksi (Chen 2007, 6). Toisinaan hyökkäyksellä uhatulle uhkapelisivustolle on jopa tarjottu sopimusta, jossa hyökkääjät käyvätkin kilpailijan kimppuun sopivaa korvausta vastaan (Davis 2010).

Eri maiden armeijat pyrkivät häiritsemään vihollisen tiedonkulkua (Chen 2007, 6). Esimerkiksi Yhdysvaltojen armeija on jo vuonna 2008 suunnitellut oman botnetin rakentamista vihollisen tietoliikenneyhteyksien lamauttamiseksi (Williamson 2008).

Näiden lisäksi voidaan nykyään tunnistaa vielä yksi uusi kategoria: kaupalliset toimijat. Internetistä löytyy ainakin yksi kaupallisia palvelunestohyökkäyksiä tekevä toimija, joka toimii Kiinasta käsin. Tämän palvelun käyttämä botnet on yksi Internetin suurimpia ja sitä voi käyttää kuka tahansa, jolla on riittävästi rahaa. (Higgins 2010.)

3 Tutkimusongelmat

Tämän tutkimuksen keskeiset tutkimusongelmat ovat:

- Miten palvelunestohyökkäyksiä tehdään?
- Miksi palvelunestohyökkäyksiä tehdään?
- Miten palvelunestohyökkäyksiltä voi suojautua?
- Mitä vaikutuksia palvelunestohyökkäyksillä on?

Hypoteesini on että tehokkain, mutta vaikeimmin toteutettavissa oleva tapa suorittaa palvelunesto on käyttää hyväksi ohjelmistojen tietoturvaavaoittuvuuksia. Teknisesti helpoin tapa palvelunestohyökkäyksen toteuttamiseen on puolestaan verkkoyhteyden tukkimiseen perustuva hyökkäys, mutta sen toteuttaminen vaatii käytännössä pääsyn suureen zombie-verkkoon.

Oletan, että suurimmat syyt verkkohyökkäysten taustalla ovat aatteellinen toiminta ja taloudellinen hyöty. Lisäuhkaa tuo myös järjestäytyneen rikollisuuden leviäminen tietoverkkoihin.

Vaikutuksien oletan olevan lähinnä taloudellisia ja suurimpia juuri hyökkäyksen kohteilla. Lisäksi hyökkäyksillä on sivuvaikutuksia myös muille kuin suoraan kohteena oleville tahoille.

4 Aineisto ja tutkimusmenetelmät

Keräsin tutkimusta varten kirjallista aineistoa sekä painetuista kirjoista että internetistä. Internetin sisällön helposti valheellisen luonteen vuoksi pyrin keräämään Internet-lähteet mahdollisimman luotettavilta sivustoilta. Mikäli tämä ei ollut mahdollista, pyrin vahvistamaan tiedon useammasta lähteestä. Jouduin hylkäämään joitakin lähteitä sen vuoksi, että ne viittasivat suoraan toisiinsa tai olivat sanatarkasti sama teksti, jolloin kyseessä oli joko saman kirjottajan tuotos tai sivustolta toiselle kopiointi.

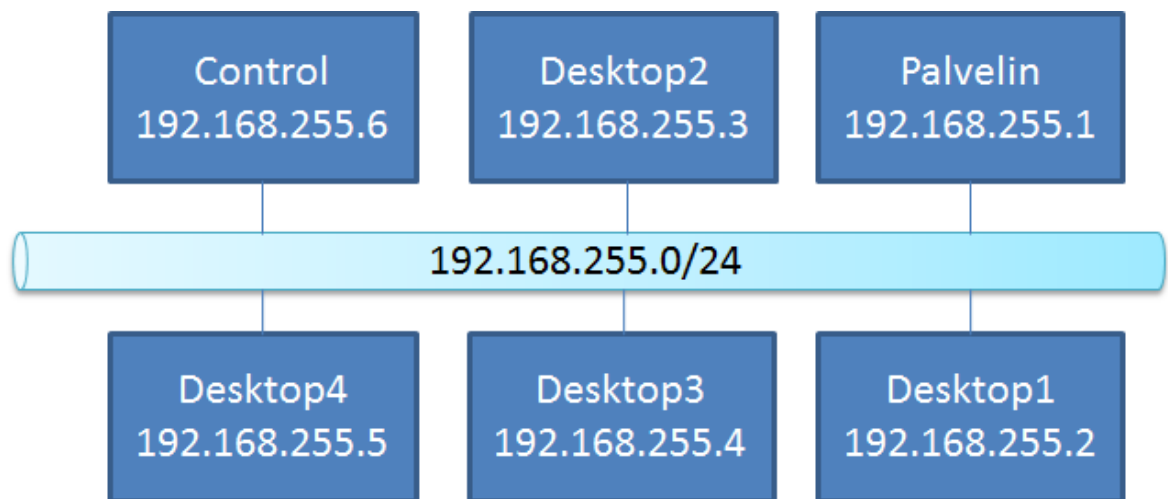
Pystyin myös käyttämään hyväkseni aiempaa tutkimusta varten tehtyä entisen työnantajani, Ideakone Oy:n tietotekniikkapäällikön Antti Ala-Ilkan haastattelua (Liite 2). Näiden lisäksi tein laboratoriokokeen, jossa pyrin selvittämään erilaisten hyökkäysten vaikutusta ja tehoa kohteena olevaan palvelimeen.

5 Laboratoriokoe

Suoritin laboratoriokokeen Haaga-Helia ammattikorkeakoulun tietoverkkolaboratoriossa 3. ja 5.10.2011.

5.1 Koeasetelma

Koeasetelmassa oli yksi palvelin, neljä hyökkäyskonetta sekä yksi kontrollikone allaolevan kuvion (Kuvio 2) mukaisesti.



Kuvio 2: koeasetelma

5.1.1 Laitteisto

Kaikissa kokeen tietokoneissa oli identtinen laitteisto. Laitteina oli HP Compaq 8200 Elite Convertible -työasemat. Tietokoneissa oli Intelin neliytimiset Core i5-2400 -prosessorit 4 x 3,10 GHz kellotaajuudella, 8 gigatavua muistia sekä gigabit ethernet -verkkokortit. Verkko oli yhdistetty 32 porttiseen Cisco Catalyst 2960S Gigabit Ethernet -kytkimen välityksellä.

5.1.2 Ohjelmistot

Tietokoneisiin oli asennettu 32 bittinen Ubuntu 10.10 –käyttöjärjestelmä, jonka ytimenä oli käytössä Kernel Linux 2.6.35-30-generic-pae ja työpöydän

ikkunointiohjelmistona Gnome 2.32.0. Palvelimessa oli asennettuna lisäksi Apache web server -ohjelmisto oletusasetuksilla. Hyökkäykset toteutettiin hping-ohjelmistolla, jolla voidaan lähettää halutulla tavalla muotoiltuja paketteja haluttuun kohteeseen.

5.2 Kokeen kulku

Kokeessa suoritin samaan aikaan hyökkäystä neljältä eri hyökkäyskoneelta palvelimelle. Ensin suoritin SYN-tulvituksen, sitten UDP-tulvituksen ja lopuksi vielä ICMP-tulvituksen. Kokeen ajan kytkin oli irroitettu muusta verkosta, joten oman verkkoni lisäksi muuta liikennettä ei ollut.

5.2.1 Palvelin

Palvelimelle oli asennettu Apache web server -ohjelmisto, jolla palvelin saatiin toimimaan www-palvelimena. Apache web server asennetaan Ubuntun komentoriviltä ajamalla komento

```
sudo apt-get install apache2
```

Kun ohjelmisto on asennettu, se käynnistyy itsestään. Tämän jälkeen kun kyseiselle palvelimelle otetaan yhteys www-selaimella, näytetään Apachen oletussivu. En lähtenyt muokkaamaan palvelua, sillä halusin kyseessä olevan mahdollisimman kevyt palvelin. Todenperäisemmän tilanteen simuloimiseksi palvelu olisi pitänyt koostaa edusta- ja tietokantapalvelimista ja asentaa käyttöön huomattavasti laajempi sivusto, jonka sisältö olisi ainakin osittain ollut muuta kuin staattista HTML:ää.

Hyökkäysten aikana palvelimella ajettiin TOP-komentoa, joka kertoo palvelimen sen hetkisestä resurssikäytöstä. Komennon tulokset ajettiin tekstitiedostoihin siten, että ilman hyökkäystä saatu data on tiedostossa server\kontrolli.txt (Liite 10) ja se asettaa pohjan tulosten tulkinnalle. SYN-tulvitusten tulokset ovat tiedostoissa server\synflood1.txt (Liite 11) ja server\synflood2.txt (Liite 12). Vastaavasti UDP-tulvitusten tulokset ovat tiedostoissa server\udpflood1.txt (Liite 13) ja server\udpflood2.txt (Liite 14) ja ICMP-tulvitusten tulokset tiedostoissa server\icmpflood1.txt (Liite 15) ja server\icmpflood2.txt (Liite 16).

Data saatiin tekstitiedostoihin, esim. kontrolli.txt komennolla:

```
top -b -p 1 > kontrolli.txt
```

Muihin tiedostoihin vaihdettiin ”kontrolli.txt”-tekstin tilalle vastaavan tiedoston nimi. Komento tallentaa TOP-komennon sisällön tekstitiedostoon kolmen sekunnin välein.

5.2.2 Hyökkäyskone

Hyökkäyskoneelta ajettiin eri hyökkäyksiä palvelinta vastaan. Kaikista hyökkäyksistä ajettiin kaksi eri versiota, minimikokoisella IP-paketilla, jolloin paketissa on pelkkä header-osio ja maksimikokoisella, jolloin paketissa on header-osion lisäksi pelkkää nollaa siten, että paketin kooksi tulee 65536 tavua.

Hyökkäyksessä käytettiin Ubuntun pakettijakelusta vapaasti saatavaa hping3-ohjelmaa, jolla hyökkäyspaketit saadaan muotoiltua halutunlaisiksi (Sanfilippo 2006). Hping3-ohjelmisto asennetaan ajamalla Ubuntun komentoriviltä komento

```
sudo apt-get install hping3
```

Varsinainen hyökkäys toteutetaan sitten ajamalla hping3-ohjelmistoa eri parametreilla. Näissä hyökkäyksissä käytettiin seuraavia komentoja:

SYN-tulvitus minimikokoisella paketilla:

```
sudo hping3 -i u1 -S -p 80 192.168.255.1
```

SYN-tulvitus maksimikokoisella paketilla:

```
sudo hping3 -i u1 -S -p 80 -d 65495 192.168.255.1
```

UDP-tulvitus minimikokoisella paketilla:

```
sudo hping3 -i u1 -2 -p 80 192.168.255.1
```

UDP-tulvitus maksimikokoisella paketilla:

```
sudo hping3 -i u1 -2 -p 80 -d 65507 192.168.255.1
```

ICMP-tulvitus minimikokoisella paketilla:

```
sudo hping3 -i u1 -1 192.168.255.1
```

ICMP-tulvitus maksimikokoisella paketilla:

```
sudo hping3 -i u1 -1 -d 65495 192.168.255.1
```

5.2.3 Kontrollikone

Kontrollikoneelta tarkasteltiin kohdekoneen vasteaikoja ja pakettihävikkiä ensin ilman hyökkäystä ja sitten eri hyökkäysten aikana. Ilman hyökkäystä mitatut tulokset tallennettiin tiedostoon control\kontrolli.txt (Liite 3), jolla luodaan pohja hyökkäystenaikaisten tulosten tulkinnalle. SYN-tulvitusten aikaiset tulokset tallennettiin tiedostoihin control\synflood1.txt (Liite 4) ja control\synflood2.txt (Liite 5), UDP-tulvitusten aikaiset tulokset tiedostoihin control\udpflood1.txt (Liite 6) ja control\udpflood2.txt (Liite 7) ja ICMP-tulituksen aikaiset tulokset tiedostoihin control\icmpflood1.txt (Liite 8) ja control\icmpflood2.txt (Liite 9).

Vasteajat mitattiin käyttämällä ping-ohjelmaa, joka lähettää ICMP Echo Request -paketin kohteeseen ja saa takaisin ICMP Echo Reply -paketin. Lähetyksen ja vastaanoton välinen aika on vasteaika. Mikäli vastausta ei saada sekunnin sisällä, tulkitaan paketti hävinneeksi. Ping-kysely lähetettiin sekunnin välein ja vastaukset tallennettiin tekstitiedostoon käyttäen komentoa

```
ping 192.168.255.1 > kontrolli.txt
```

Eri hyökkäysten kohdalla korvattiin "kontrolli.txt" asiaankuuluvalla tiedostonimellä.

6 Tulokset

6.1 Kirjallinen tutkimus

Kirjallinen tutkimus tuo selkeästi ilmi sen, että palvelunestohyökkäykset ovat todellinen uhka mille tahansa Internet-palvelulle. Hyökkäysten monenlaiset lähestymistavat luovat yrityksille paineita suojautua eri tavoin. Suojautumisessa tuleekin huolehtia sekä ennalta varautumisesta että riittävän tehokkaista toimenpiteistä hyökkäyksen sattuessa.

Torjuntatoimenpiteissä tärkeimmässä roolissa on riittävä valvonta.

Palvelunestohyökkäyksen havaitseminen ei aina ole helppoa. Mikäli hyökkäys on riittävän tehokas, se saattaa estää yhteyspyyntöjen pääsyn palvelimelle kokonaan. Tällöin hyökkäystä ei havaita resurssien hupenemisesta tai hälyttävän suurista yhtyesmääristä vaan täsmälleen päinvastaisesta syystä. Tällaisista palvelunestohyökkäyksistä eivät kärsi vain niiden kohteeksi joutuneet palvelut. Riittävän laaja ja voimakas hyökkäys voi jumittaa verkon reunareitittimen, jolloin koko verkkoon pääsy sen ulkopuolelta estyy. Pahimmassa tapauksessa voisivat siis kaikki yhden palveluntarjoajan verkossa olevat palvelut estyä yhtä palvelua kohtaan tehdyn hyökkäyksen toimesta. (Ala-Ilkka 12.10.2010.)

Verkkokapasiteetin sekä fyysisten resurssien kuluttamiseen tähtääviin hyökkäyksiin ennalta varautumisessa pääroolissa on järjestelmien ylityörajoittaminen. Kaikkeen mahdolliseen ei kuitenkaan ole järkevää, eikä mahdollistakaan, varautua. Järjestelmälle on siis löydettävä sopiva kokoonpano, jossa järjestelmän mittasuhteet ovat palvelun arvoon nähden tasapainossa. Tulee myös muistaa, että kaistanleveyden ylenmääräinen kasvattaminen ilman investointeja nopeampiin reitittämiin saattaa osoittautua hyödyttömäksi.

Toinen tärkeä rooli varautumisessa näihin hyökkäyksiin on riittävän hyvin ohjelmoitu palomuurin läpi päästää vain tarvittava liikenne ja tällöinkin tulisi suodattaa liikennettä myös lähdeosoitteen perusteella. Vähintäänkin liikenne, jonka lähteenä näyttää olevan oma palvelu tai jokin sisäverkkojen käyttöön varatuista IP-osoitteista (Liite 1) kannattaa suodattaa pois. Helpoiten tämä onnistuu käyttämällä

”Estä kaikki, salli tarpeellinen” -menetelmää, jossa ensin estetään kaikki verkkoliikenne ja sen jälkeen sallitaan vain tarpeellinen liikenne.

Hyökkäyksistä tehokkain on epäilemättä järjestelmän tai ohjelmiston kaatava hyökkäys. Sen toteuttaminen ei vaadi paljoa kaistanleveyttä eikä laajaa botnettiä, vaan sen voi toteuttaa yksittäinen henkilö yhdeltä koneelta. Ainoat vaatimukset ovat Internet-yhteys sekä joko riittävä taito löytää haavoittuvuus palvelimelta tai jonkun muun tekemä valmis hyökkäystyökalu. Tällaista hyökkäystä vastaan paras puolustus on ohjelmisto, joka on alunperin suunniteltu kestämaan hyökkäyksiä. Mikäli palvelinohjelmisto ei ole palveluntarjoajan itse tekemä, sen tietoturvapäivitykset kannattaa ehdottomasti pitää ajan tasalla.

Yksinkertaisimmillaan palvelunestohyökkäys tehdään yhdeltä tietokoneelta ja yhdestä IP-osoitteesta, jolloin se on helppo torjua. Tällöin kyseisestä IP-osoitteesta tuleva liikenne yksinkertaisesti estetään jolloin se ei pääse häiritsemään palvelua. Mikäli hyökkäys on hajautettu, tullen yhdeltä maantieteelliseltä alueelta, voidaan liikenne suodattaa sen perusteella. Ääritapauksessa voidaan esimerkiksi estää kaikki ulkomaan liikenne, jolloin palvelu ei ole käytettävissä ulkomailta, mutta toimii kuitenkin kotimaisille asiakkaille.

Laaja ja hajautettu palvelunestohyökkäys voidaan toteuttaa käyttämällä hyväksi botnettiä. Tällaiseen botnettiin käsiksi pääseminen vaatii kuitenkin rahaa, valtaa tai suunnattoman määrän taitoa. Mikäli valmista botnettiä ei ole käytettävissä, tulee sellainen luoda itse. Nykyään kuitenkin melkein kuka tahansa voi toteuttaa tällaisen hyökkäyksen tilaamalla sellaisen kaupalliselta toimijalta.

Hyökkäyksen syitä voi olla monia. Luvussa 2.3 käytiin läpi eri syitä tehdä hyökkäyksiä ja jaoteltiin hyökkääjiä kategorioihin. Eri palvelut ovat alttiita eri kategorioiden hyökkäyksille. Poliittisesti arat palvelut altistuvat eri kategorioiden hyökkäyksille kuin kaupalliset palvelut.

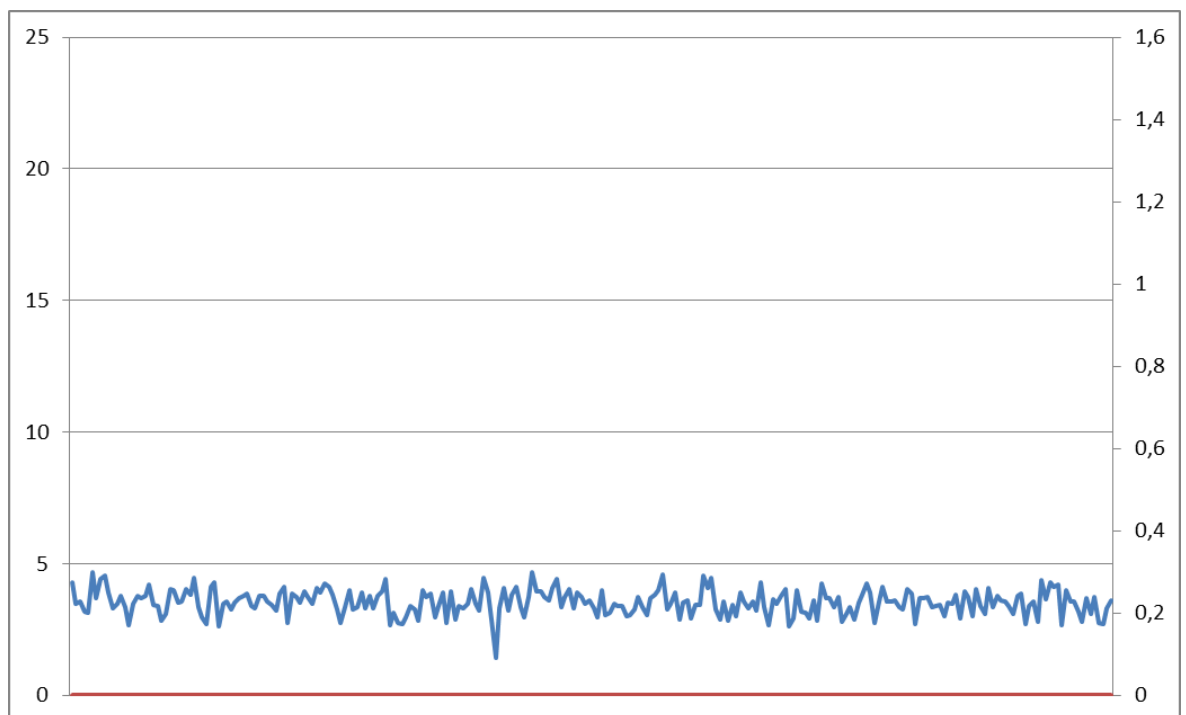
Haastattelussa Antti Ala-Ilkka (12.10.2010) totesi, että kaupallisesti erään merkittävän uhan tuo mahdollinen rikollinen toiminta Internetissä operoivia yrityksiä vastaan.

Yrityksiä saatetaan kiristää tietoliikenneyhteyksien katkaisemisella taloudellista tai muuta hyötyä tavoitellen. Lisäksi www-sivujen palveluntarjoajat saattavat joutua hyökkäyksen kohteeksi jonkin ylläpitämänsä www-sivun takia. Tällöin kyse ei kuitenkaan yleensä ole taloudellisen hyödyn tavoittelusta vaan aatteellisesta hyökkäyksestä jonkin sivuston sisältöä vastaan.

6.2 Laboratoriokokeen tulokset

Otin laboratoriokokeen tulostiedostoista kaavioon kontrollikoneelta vasteajat ja kadonneiden pakettien määrät. Kaikki kaaviot on asetettu samaan skaalaan, jotta kuvat olisivat keskenään vertailukelpoiset.

Kontrollitilanteen tulokset kontrollikoneelta näkyvät kuviossa 3, johon peräkkäin kadonneet paketit on merkitty punaisella ja vasteajat millisekunteina sinisellä.



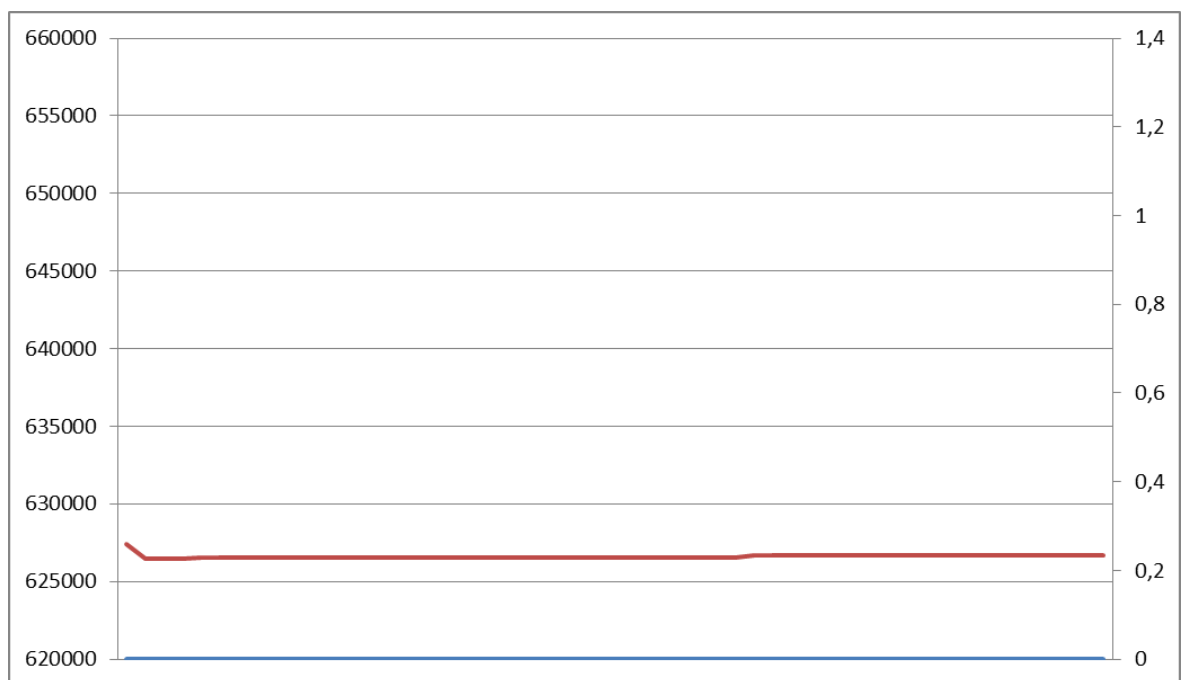
Kuvio 3: Kontrollitilanteen vasteajat (ms) ja peräkkäin kadonneet paketit (kpl)

Kuviosta näkee selvästi, ettei paketteja kadonnut ja että vasteaika on noin 0,2 ja 0,3 millisekunnin välillä. Tulostiedostosta saadaan selville, että lähetettiin 256 pakettia ja kaikkiin saatiin vastaus. Minimivasteaika oli 0,092 millisekuntia, maksimi 0,298

millisekuntia ja keskiarvo 0,225 millisekuntia keskihajonnan ollessa 0,036 millisekuntia. Kokeen kesto oli 255 sekuntia.

Palvelimelta otin tulostiedostoista kaavioon käytetyn muistin ja niin sanotun load average -arvon viimeisen minuutin ajalta. Load average -arvo kuvaa prosessorikuorman kehitystä paremmin kuin hetkellinen prosessorikuorma, sillä se ottaa huomioon kaiken prosessorille tulevan kuorman, ei ainoastaan sillä hetkellä aktiivisena olevan ja lisäksi se antaa huomattavasti selkeämmän kuvan trendistä (Walker 2006). Load averagen suurin mahdollinen arvo on 1,00 per prosessori. Tässä kokeessa siis suurin mahdollinen load average -arvo olisi 4,00.

Kontrollitilanteen tulokset palvelimelta näkyvät kuviossa 4, jossa käytetty muisti tavuina on merkitty punaisella ja load average -arvo on merkattu sinisellä.

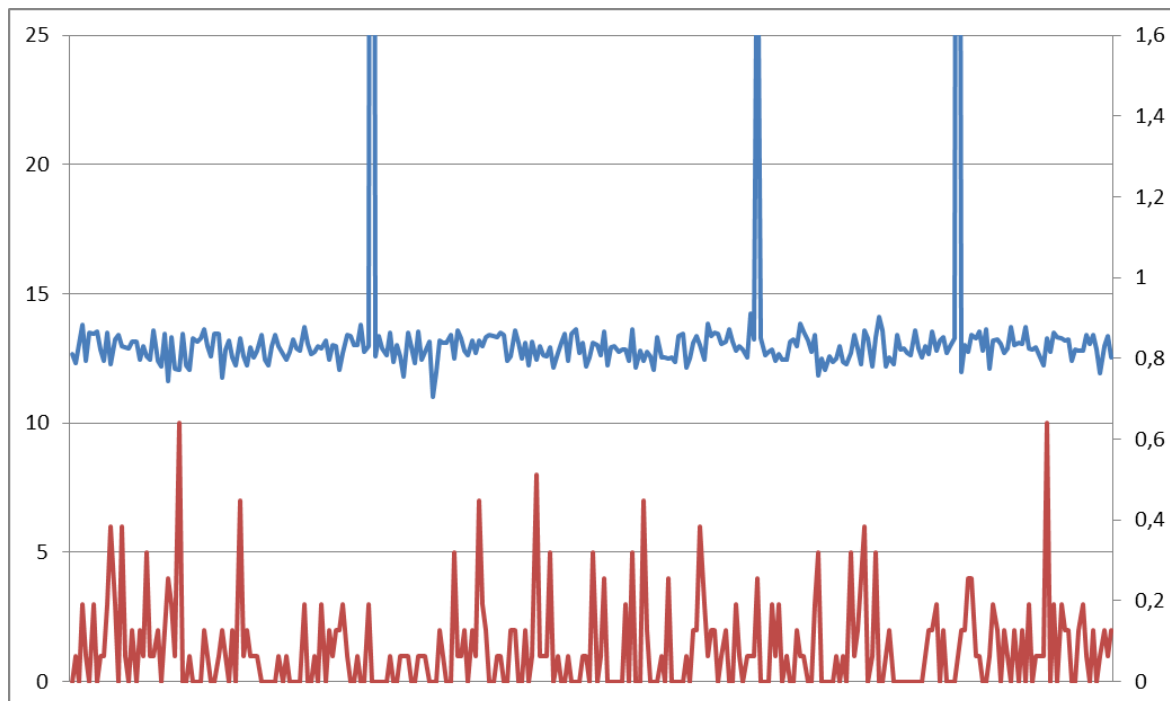


Kuvio 4: Kontrollitilanteen käytetty muisti (tavuina) ja load average -arvo

Kontrollitilanteessa palvelimen muistin käyttö vaihtelee noin 626000 ja 627000 tavun välillä load averagen pysyessä koko ajan nollassa.

6.2.1 SYN-tulvitus

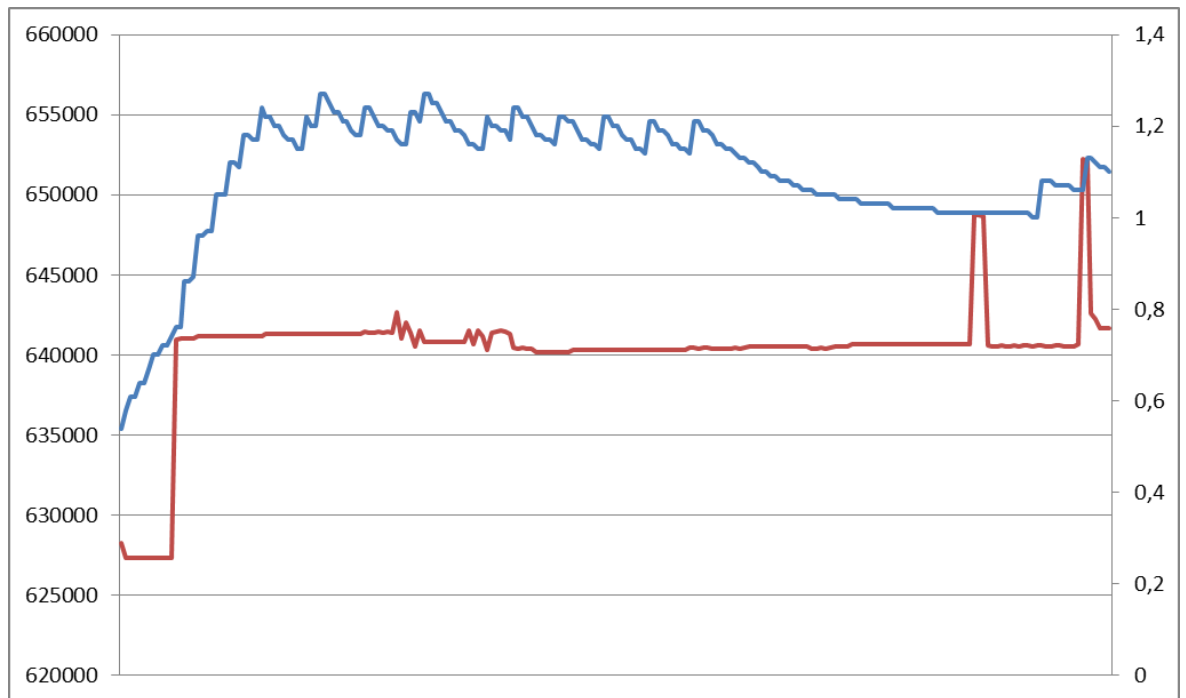
Tein SYN-tulvituskokeen ensin minimikokoisilla paketeilla. Kontrollikoneen tulokset ensimmäisestä SYN-tulvituksesta on esitetty kuviossa 5.



Kuvio 5: Ensimmäisen SYN-tulvituksen tulokset kontrollikoneella

Peräkkäisten kadonneiden pakettien määrät vaihtelevat nollan ja 11 välillä ollen selvästi kontrollitulannetta korkeammat. Myös vasteajat ovat huomattavasti pidemmät ollen suurimman osan ajasta noin 0,7 ja 0,9 millisekunnin välillä, mutta käyden välillä jopa 5,6 millisekunnissa. Tulostiedostosta saadaan selville, että paketteja lähetettiin 659 kappaletta, joista 292 saatiin vastaus. Pakettihävikki oli siis noin 55 %. Vasteaika oli minimissään 0,705 millisekuntia ja enimmillään 5,607 millisekuntia. Vasteaikojen keskiarvo oli 0,859 millisekuntia 0,363 millisekunnin keskihajonnalla. Kokeen kesto oli 658 sekuntia.

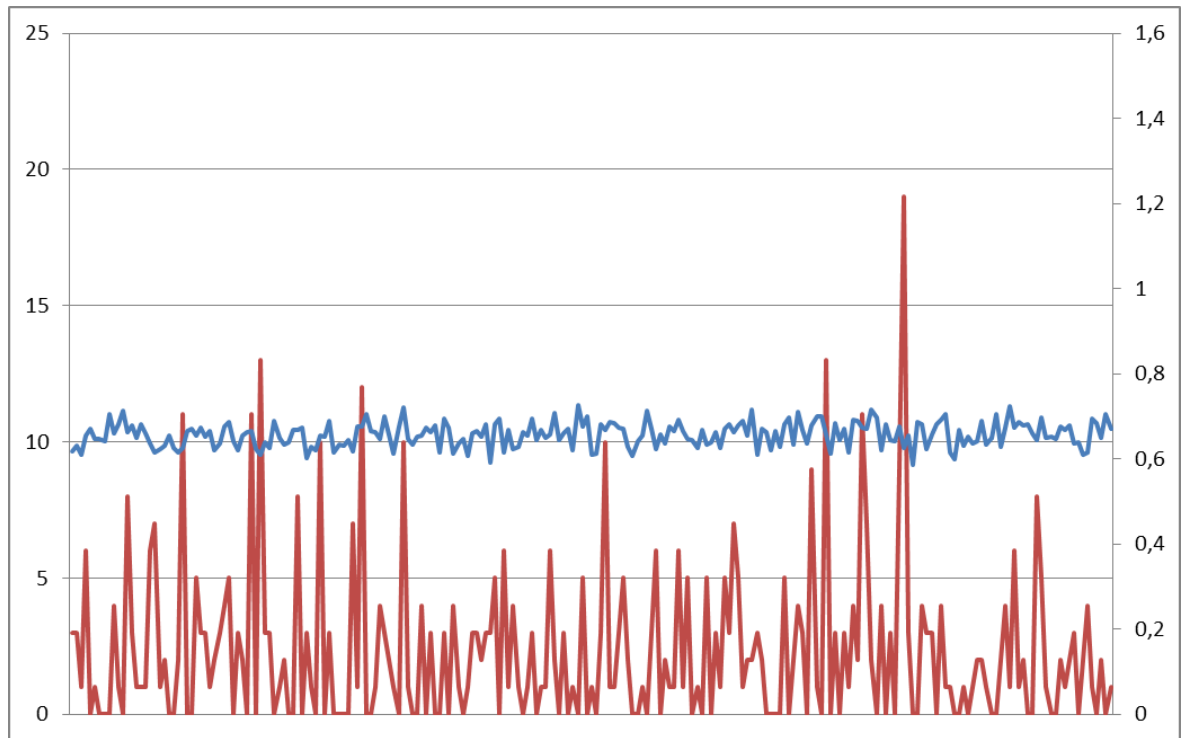
Palvelimen tulokset ensimmäisestä SYN-tulvituksesta on esitetty kuviossa 6.



Kuvio 6: Ensimmäisen SYN-tulvituksen tulokset palvelimella

Muistin käyttö nousee alussa noin 627000 tavusta noin 641000 tavuun pysyen melko vakiona koko kokeen ajan. Lopussa näkyy vielä kaksi pienempää hyppäystä muistin käytössä. Prosessorien load average -arvo nousee alussa noin 1,2:een pysyen samalla tasolla lähes koko kokeen ajan.

Toisen SYN-tulvituksen, jossa käytettiin maksimikokoista pakettia, tulokset kontrollikoneella on esitetty kuviossa 7.

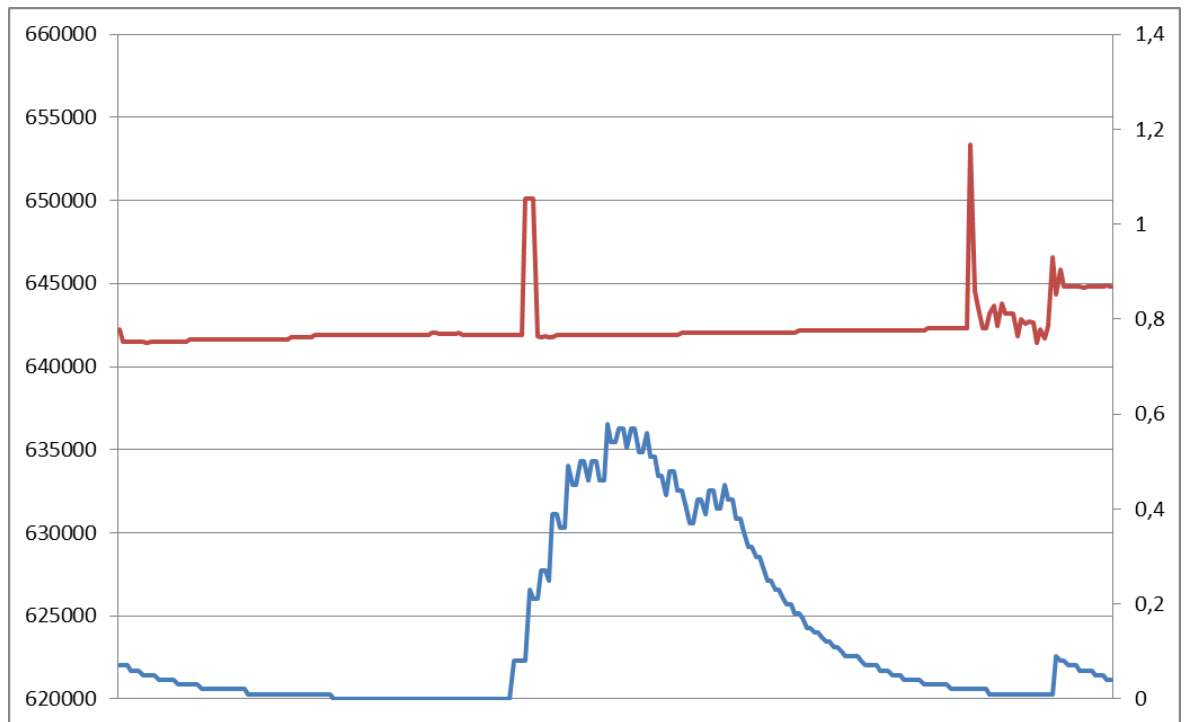


Kuvio 7: Toisen SYN-tulvituksen tulokset kontrollikoneella

Vasteajat ovat koko kokeen ajan tasaisesti noin 0,6 ja 0,8 millisekunnin välillä.

Peräkkäin kadonneiden pakettien määrä sen sijaan vaihtelee huomattavasti nollan ja 19 välillä. Tulostiedostosta nähdään, että kokeessa lähetettiin 763 pakettia, joista 227 saatiin vastaus pakettihävikin ollessa noin 70 %. Vasteaikojen minimi oli 0,587 millisekuntia, maksimi 0,726 millisekuntia ja keskiarvo 0,657 millisekuntia. Vasteaikojen keskihajonta oli 0,029 millisekuntia. Kokeen kesto oli 762 sekuntia.

Toisen SYN-tulvituksen tulokset palvelimella on esitetty kuviossa 8.



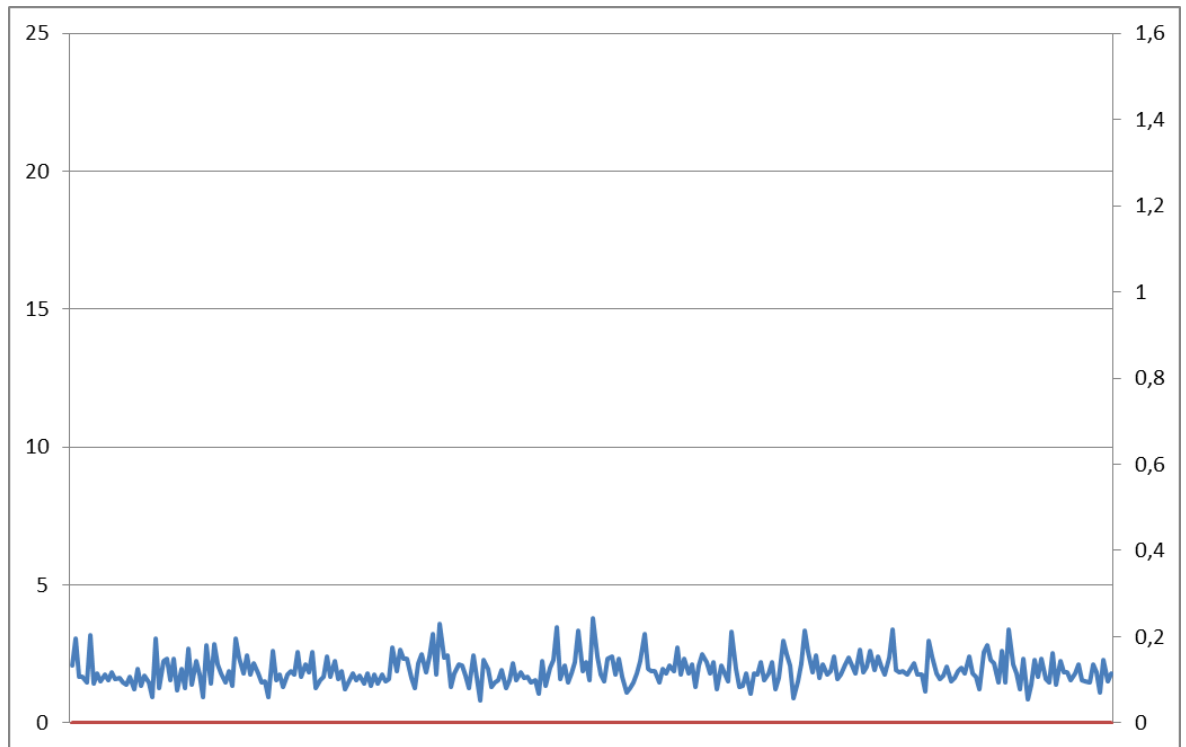
Kuvio 8: Toisen SYN-tulvituksen tulokset palvelimella

Muistin käyttö pysyy melko tasaisena koko kokeen ajan. Käyrä on lievästi nouseva ja välillä näkyy kaksi selkeää hyppäystä. Muistin käyttö on koko ajan 640000 ja 655000 tavun välillä.

Suorittimen load average -arvo pysyttelee kokeen keskivaihetta lukuunottamatta matalalla tasolla. Keskivaiheilla se nousee kuitenkin väliaikaisesti noin 0,6:een.

6.2.2 UDP-tulvitus

Kuten SYN-tulvituskokeessa, tein myös UDP-tulvituksen ensin minimikokoisilla paketeilla. Kuviossa 9 on esitetty ensimmäisen tulvituksen tulokset kontrollikoneella.



Kuvio 9: Ensimmäisen UDP-tulvituksen tulokset kontrollikoneella

Kadonneita paketteja ei ollut ja vasteaika vaihteli noin 0,1 ja 0,3 millisekunnin välillä. Tulos ei siis juurikaan poikkea kontrollitilanteesta. Tulostiedostosta nähdään, että paketteja lähetettiin 286 kappaletta, joista kaikkiin saatiin vastaus. Vasteaikojen minimi oli 0,052 millisekuntia, maksimi 0,244 millisekuntia ja keskiarvo 0,122 millisekuntia. Keskihajonta oli 0,034 millisekuntia. Kokeen kesto oli 285 sekuntia.

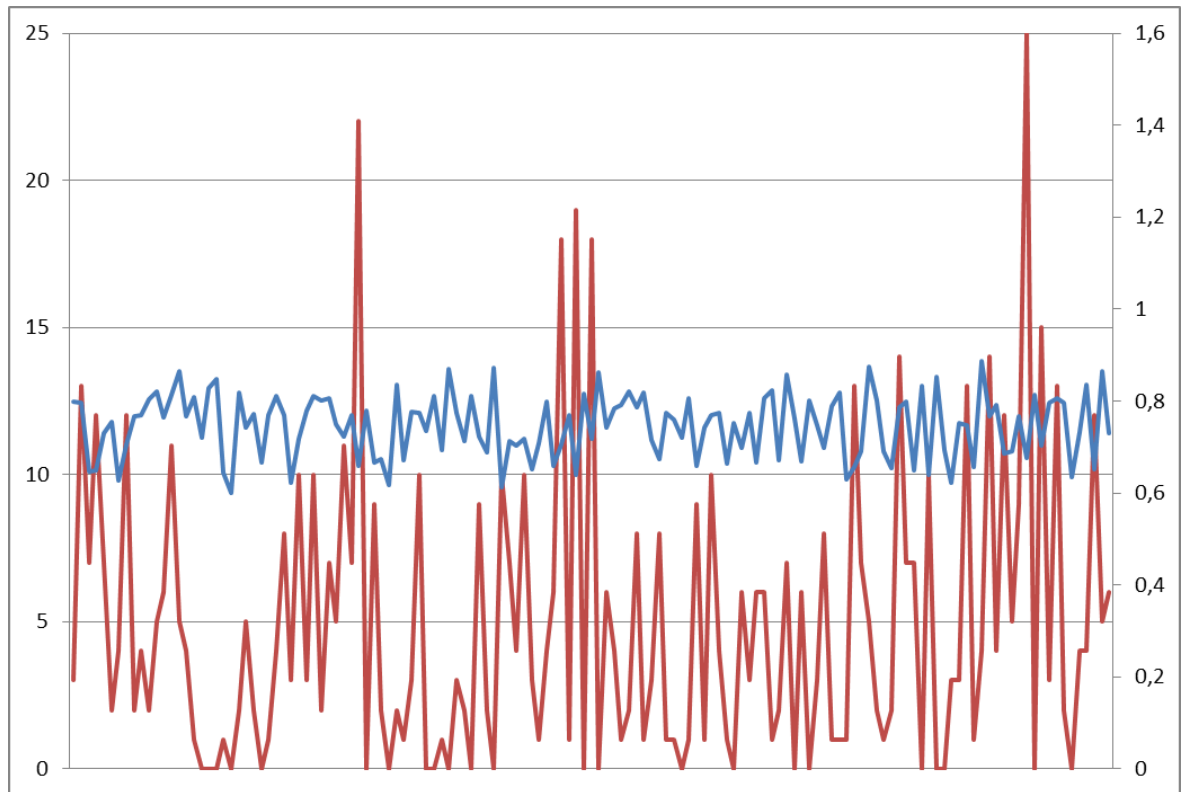
Ensimmäisen UDP-tulvituksen tulokset palvelimella on esitetty kuviossa 10.



Kuvio 10: Ensimmäisen UDP-tulvituksen tulokset palvelimella

Prossessorin load average -arvo pysyttelee koko ajan nollassa, eli kuormaa prosessorille ei tule käytännössä ollenkaan. Muistin käyttö pysyy aivan alkua lukuunottamatta tasaisesti 645000 tavussa ollen hiukan kontrollitilannetta korkeammalla.

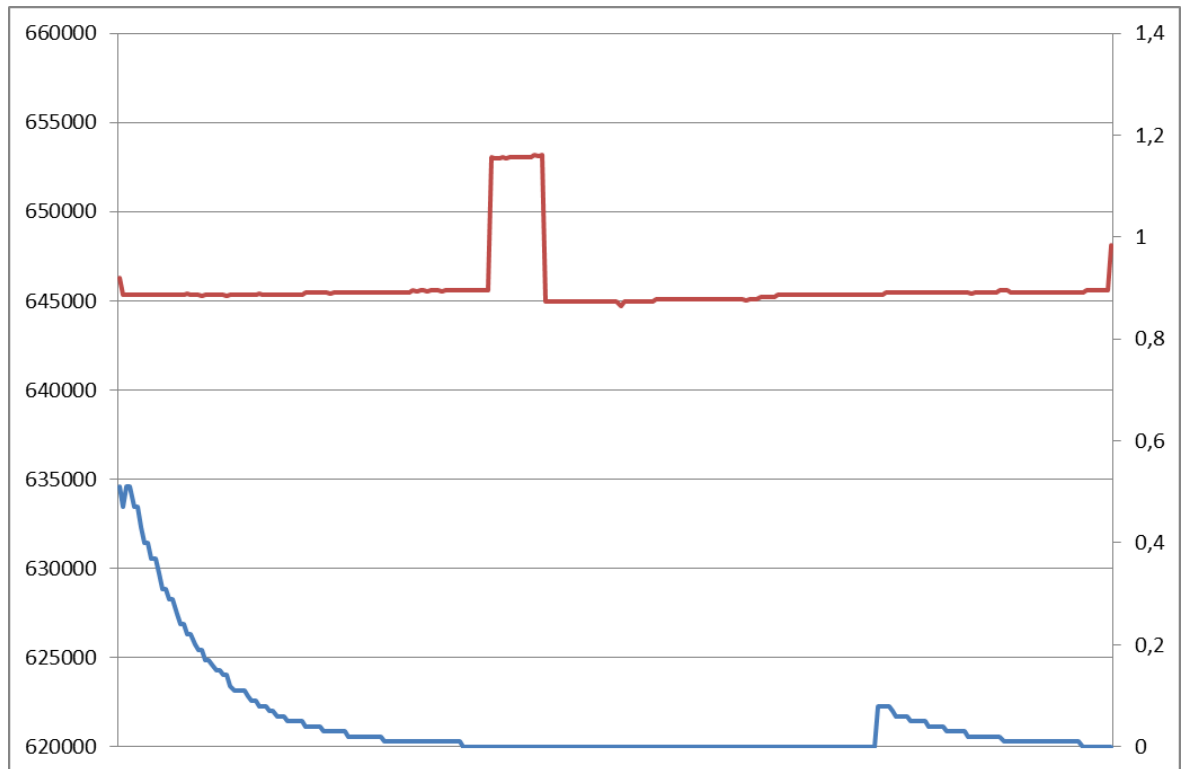
Toinen UDP-tulvitus tehtiin SYN-tulvituksen tapaan maksimikokoisella paketilla. Toisen UDP-tulvituksen tulokset kontrollikoneella on esitetty kuviossa 11.



Kuvio 11: Toisen UDP-tulvituksen tulokset kontrollikoneella

Peräkkäisten kadonneiden pakettien määrä vaihtelee nollan ja 25 välillä ollen selkeästi kontrollitilannetta suurempi. Myös vasteajat kasvoivat noin 0,6 ja 0,9 millisekunnin välille. Tulostiedostosta nähdään, että palvelimelle lähetettiin kontrollikoneelta 825 pakettia, joista 139 saatiin vastaus. Pakettihävikki oli siis noin 83 %. Vasteaikojen minimi oli 0,600 millisekuntia, maksimi 0,886 millisekuntia ja keskiarvo 0,745 millisekuntia keskihajonnan ollessa 0,075 millisekuntia. Kokeen kesto oli 824 sekuntia.

Toisen UDP-tulvituksen tulokset palvelimella on esitetty kuviossa 12.

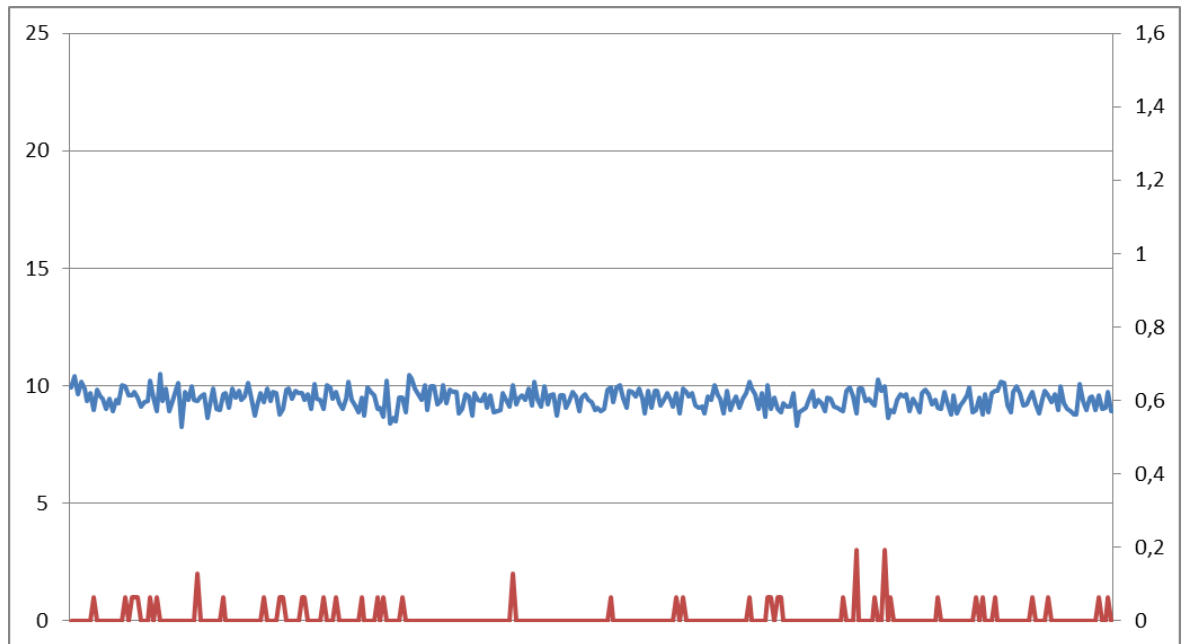


Kuvio 12: Toisen UDP-tulvituksen tulokset palvelimella

Muistin käyttö on, pientä puolivälissä tullutta hyppäystä lukuunottamatta, melko tasaista koko kokeen ajan ollen n. 645000 tavua. Suorittimien load average -arvo on alussa noin 0,5, mutta laskee siitä nopeasti nolnaan. Kokeen loppupuolella tulee vielä hyvin pieni hyppäys noin arvoon 0,1.

6.2.3 ICMP-tulvitus

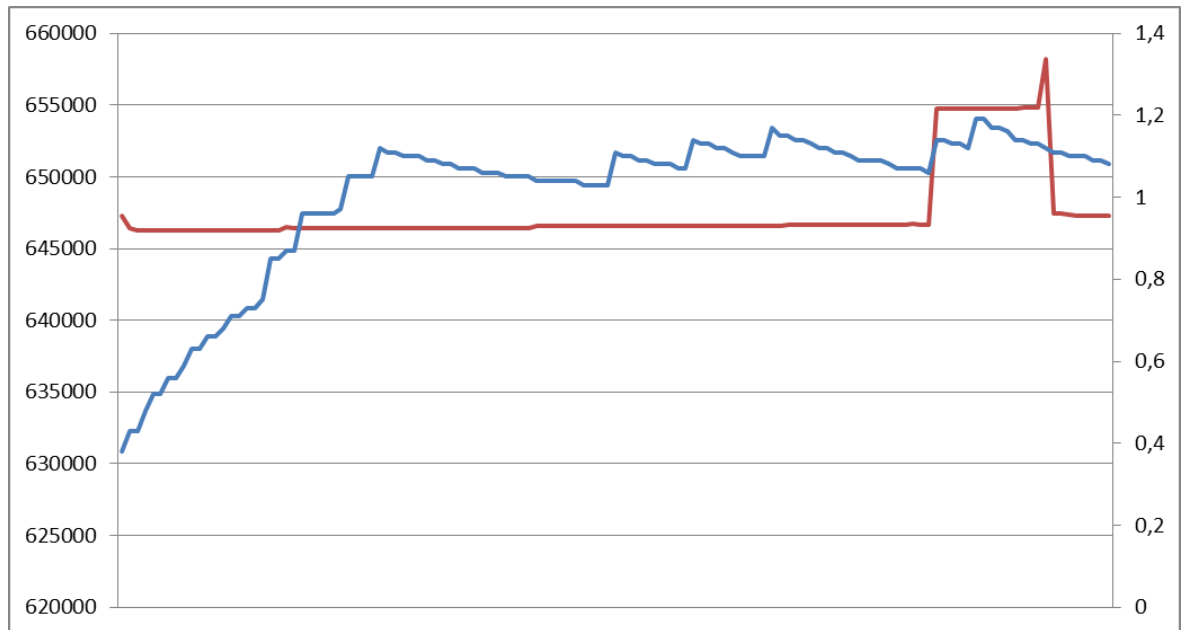
Myös ICMP-tulvitus kokeiltiin kahteen kertaan käyttäen ensin minimikokoisia paketteja. Ensimmäisen ICMP-tulvituksen tulokset kontrollikoneella on esitetty kuviossa 13.



Kuvio 13: Ensimmäisen ICMP-tulvituksen tulokset kontrollikoneella

Vasteajat ovat hyvin tasaisesti noin 0,6 millisekunnissa ollen hieman kontrollitilannetta korkeammat.. Peräkkäisten kadonneiden pakettien lukumäärä on pieni, mutta kuitenkin useassa tapauksessa yli nollan vaihdellen nollan ja kolmen välillä. Eroa kontrollitilanteeseen on havaittavissa, mutta ei kovin suurta. Tulostiedostosta nähdään, että kontrollikoneelta lähetettiin 379 pakettia, joista 331 saatiin vastaus, hävikin ollessa noin 12 %. Vasteaikojen minimi oli 0,528 millisekuntia, maksimi 0,672 millisekuntia ja keskiarvo 0,603 millisekuntia keskihajonnan ollessa 0,028 millisekuntia. Kokeen kesto oli 378 sekuntia.

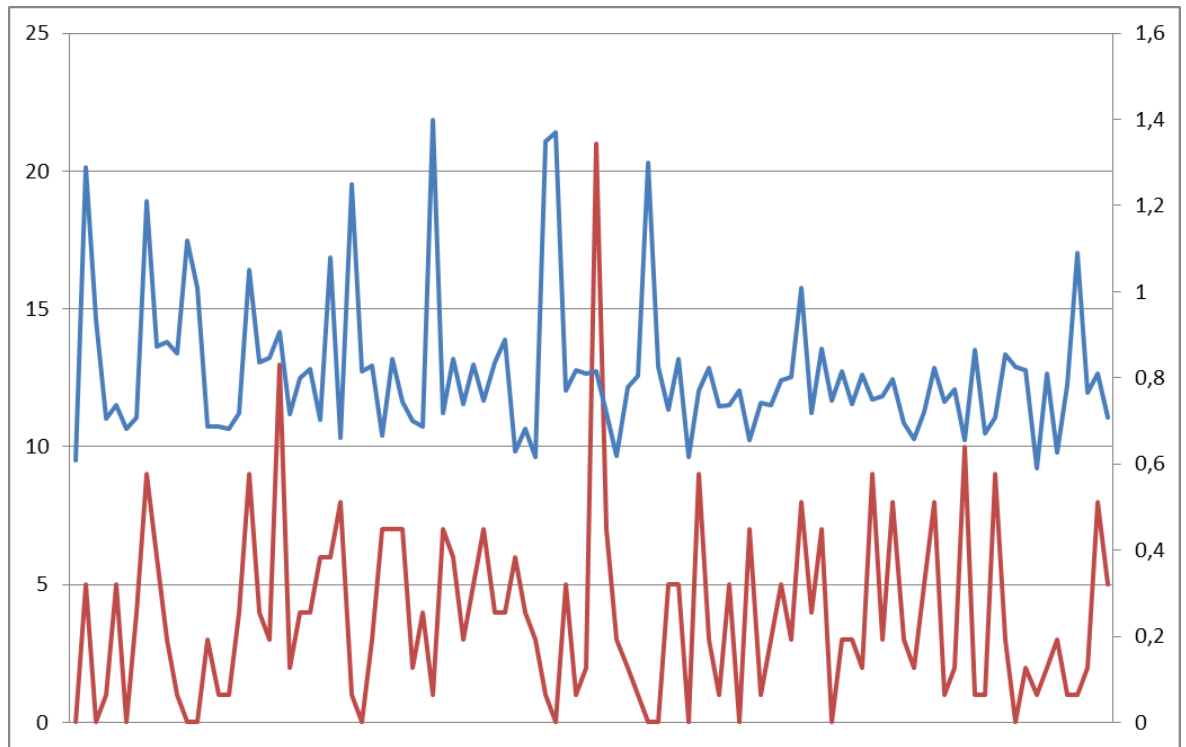
Ensimmäisen ICMP-tulvituksen tulokset palvelimella on esitetty kuviossa 14.



Kuvio 14: Ensimmäisen ICMP-tulvituksen tulokset palvelimella

Palvelimen prosessorien load average -arvo on selkeästi kontrollitilannetta korkeampi. Arvo nousee alussa noin 1,1 asti ja on samalla tasolla lähes koko kokeen ajan. Muistin käyttö on hieman kontrollitilannetta korkeampaa ollen hieman yli 645000 tavua. Lisäksi kokeen loppupuolella on lyhytaikainen hyppäys noin 655000 tavuun.

Toisen, maksimikokoisilla paketeilla tehdyn, ICMP-tulvituksen tulokset kontrollikoneella on esitetty kuviossa 15.



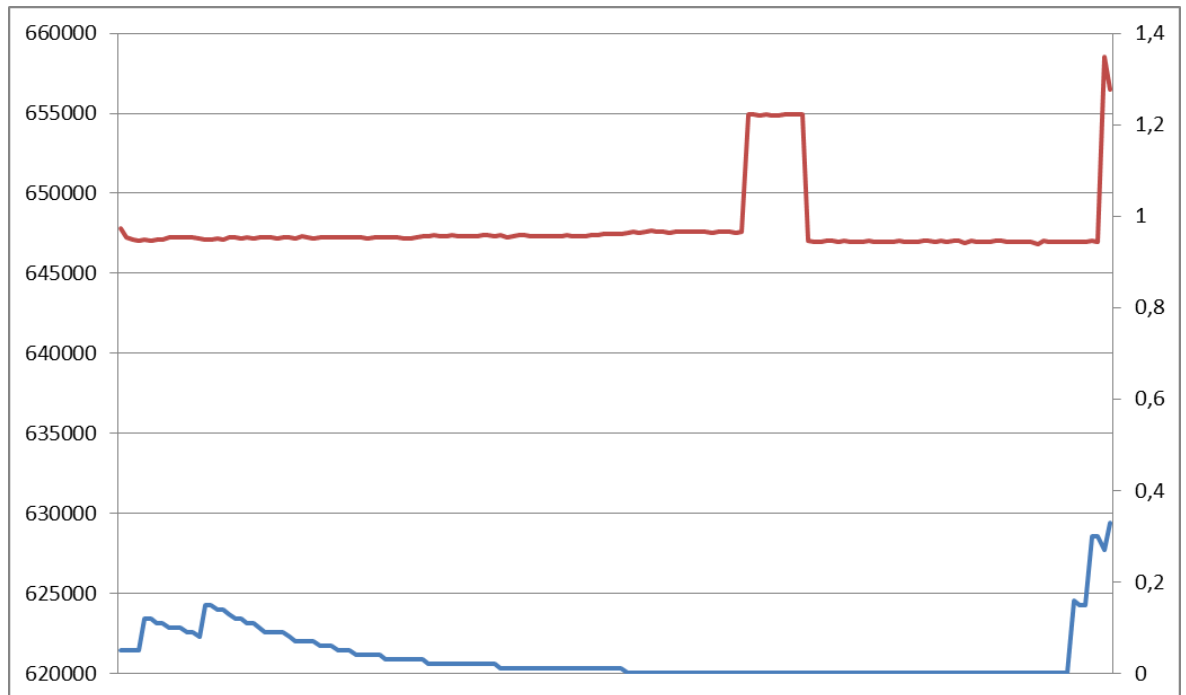
Kuvio 15: Toisen ICMP-tulvituksen tulokset kontrollikoneella

Vasteajoissa näkyy heittelyä niiden vaihdellessa noin 0,6 ja 1,4 millisekunnin välillä.

Peräkkäisten kadonneiden pakettien määrä vaihtelee nollan ja 22 välillä.

Tulostiedostosta nähdään, että kontrollikoneelta lähetettiin 496 pakettia, joista 102 saatiin vastaus hävikin ollessa siis noin 79 %. Vasteaikojen minimi oli 0,590 millisekuntia, maksimi 1,401 millisekuntia ja keskiarvo 0,814 keskihajonnan ollessa 0,171 millisekuntia. Kokeen kesto oli 496 sekuntia.

Toisen ICMP-tulvituksen tulokset palvelimella on esitetty kuviossa 16.



Kuvio 16: Toisen ICMP-tulvituksen tulokset palvelimella

Palvelimen muistin käyttö pysyy lähes koko kokeen ajan noin 647000 tavussa. Hieman kokeen puolen välin jälkeen näkyy pieni hyppäys 655000 tavuun ja aivan lopussa käydään jo pikaisesti lähellä 660000 tavua. Suorittimien load average -arvo pysyy lähellä nollaa koko kokeen ajan.

6.2.4 Tulosten yhteenveto

Taulukossa 1 on esitetty yhteenvetona kontrollikoneelta saadut tulokset. Taulukossa on esitetty jokaisen kokeen pakettihävikki kokonaisina prosentteina sekä vasteaikojen minimi- ja maksimiarvot, keskiarvo sekä keskihajonta.

Taulukko 1: Kontrollikoneen tulosten yhteenveto

| Koe | Pakettihävikki | Vasteajat | | | |
|------------------|----------------|-----------|-----------|----------|--------------|
| | | Minimi | Keskiarvo | Maksimi | Keskihajonta |
| Kontrolli | 0 % | 0,092 ms | 0,225 ms | 0,298 ms | 0,036 ms |
| 1. SYN-tulvitus | 55 % | 0,705 ms | 0,859 ms | 5,607 ms | 0,363 ms |
| 2. SYN-tulvitus | 70 % | 0,587 ms | 0,657 ms | 0,726 ms | 0,029 ms |
| 1. UDP-tulvitus | 0 % | 0,052 ms | 0,122 ms | 0,244 ms | 0,034 ms |
| 2. UDP-tulvitus | 83 % | 0,600 ms | 0,745 ms | 0,886 ms | 0,075 ms |
| 1.ICMP-tulvitus | 12 % | 0,528 ms | 0,603 ms | 0,672 ms | 0,028 ms |
| 2. ICMP-tulvitus | 79 % | 0,590 ms | 0,814 ms | 1,401 ms | 0,171 ms |

Kontrollikoneen tulostiedostoista päätellen pakettihävikin perusteella tehokkain hyökkäys olisi ollut UDP-tulvitus maksimikokoisilla paketeilla. Vasteaikojen keskiarvo niissä paketeissa, joihin saatiin vastaus, on kuitenkin korkeampi sekä minimikokoisella SYN-tulvituksella että maksimikokoisella ICMP-tulvituksella.

Minimikokoisilla paketeilla tehdyistä hyökkäyksistä SYN-tulvitus oli selkeästi tehokkain aiheuttaen sekä suurimman pakettihävikin, että korkeimman vasteajan.

Minimikokoisilla paketeilla tehty UDP-tulvitus oli puolestaan hyökkäyksistä selkeästi tehottomin aiheuttaen jopa pienemmät vasteajat kuin kontrollitilanne.

Taulukoissa 2 ja 3 on esitetty yhteenvetona palvelimelta saadut tulokset. Taulukossa 2 on esitetty jokaisen kokeen muistinkäytön minimi- ja maksimi-arvot, keskiarvo sekä keskihajonta ja taulukossa 3 load average -arvon minimi- ja maksimi-arvot, keskiarvo sekä keskihajonta.

Taulukko 2: Palvelimen muistinkäytön yhteenveto

| Koe | Muistinkäyttö | | | |
|------------------|---------------|----------------|--------------|---------------|
| | Minimi | Keskiarvo | Maksimi | Keskihajonta |
| Kontrolli | 626448 tavua | 626626,5 tavua | 627408 tavua | 129,73 tavua |
| 1. SYN-tulvitus | 627356 tavua | 640273,7 tavua | 652204 tavua | 3426,09 tavua |
| 2. SYN-tulvitus | 641432 tavua | 642311,6 tavua | 653356 tavua | 1376,48 tavua |
| 1. UDP-tulvitus | 644576 tavua | 644826,6 tavua | 646056 tavua | 168,96 tavua |
| 2. UDP-tulvitus | 644700 tavua | 645774,4 tavua | 653164 tavua | 1761,02 tavua |
| 1.ICMP-tulvitus | 646288 tavua | 647539,8 tavua | 658216 tavua | 2759,96 tavua |
| 2. ICMP-tulvitus | 646844 tavua | 647809,4 tavua | 658500 tavua | 2142,47 tavua |

Taulukko 3: Palvelimen load average -arvojen yhteenveto

| Koe | Load average –arvo | | | |
|------------------|--------------------|-----------|---------|--------------|
| | Minimi | Keskiarvo | Maksimi | Keskihajonta |
| Kontrolli | 0,00 | 0,00 | 0,00 | 0,00 |
| 1. SYN-tulvitus | 0,54 | 1,09 | 1,27 | 0,14 |
| 2. SYN-tulvitus | 0,00 | 0,13 | 0,58 | 0,18 |
| 1. UDP-tulvitus | 0,00 | 0,00 | 0,00 | 0,00 |
| 2. UDP-tulvitus | 0,00 | 0,05 | 0,51 | 0,10 |
| 1.ICMP-tulvitus | 0,38 | 1,01 | 1,19 | 0,19 |
| 2. ICMP-tulvitus | 0,00 | 0,04 | 0,33 | 0,06 |

Palvelimen muistinkäytön ja load averagen perusteella tehokkaimpia hyökkäyksiä olisivat olleet minimikokoisilla paketeilla tehdyt SYN- ja ICMP-tulvitukset, joilla saatiin selkeästi suurimmat prosessorikuormat load average arvon -keskiarvon ollessa yli yhden. Muistinkäytön muutokset eri hyökkäysten aikana olivat pienehköjä, kuitenkin suurimmat minimikokoisilla paketeilla tehdyllä SYN-tulvituksella. Vaikka suurin muistin käyttö on muilla hyökkäyksillä suurempaakin, ovat pienimmän ja suurimman muistin käytön ero sekä keskihajonta suurin kyseisellä hyökkäyksellä.

Maksimikokoisilla paketeilla nähtiin hienoista sekä muistinkäytön että prosessorikuorman nousua, mutta muutokset eivät olleet lähellekään yhtä suuria kuin minimikokoisilla paketeilla. Olisi ollut oletettavaa, että maksimikokoiset paketit olisivat aiheuttaneet enemmän rasitusta palvelimelle, mutta ilmeisesti maksimikokoisilla paketeilla onnistuttiin lähinnä tukkimaan palvelimen verkkoyhteys, jolloin pyynnöt eivät päässeet perille. Tällöin palvelimeen kohdistuvan palvelunestohyökkäyksen voi huomata ainoastaan liian pienestä palvelinkuormasta.

Tarkkailtaessa sekä palvelimen että kontrollikoneen tuloksia nähdään, että palvelun normaaliin sen hetkiseen oletettavaan kuormaan nähden suurimmat yhteisvaikutukset olivat minimikokoisella paketilla tehdyllä SYN-tulvituksella. Vaikka maksimikokoisilla paketeilla tehdyillä hyökkäyksillä saatiin aikaiseksi suurempaa pakettihävikkiä, oli tällä hyökkäyksellä suurin vaikutus palvelimeen ja pienistä paketeista suurin vaikutus vasteaikoihin. Tästä voidaan päätellä, että rajoitetulla kaistalla minimikokoisella paketilla tehty SYN-tulvitus on suhteessa tehokkain hyökkäystapa www-palvelinta vastaan. Mikäli kaistaa on kuitenkin rajoittamattomasti käytössä, saadaan maksimikokoisilla paketeilla tukittua kohteen verkkoyhteys tehokkaimmin.

Huomionarvoinen seikka on maksimikokoisella SYN-paketeilla tehdyn hyökkäyksen puolesta välissä tullut pieni prosessorikuorman nousu. Samoihin aikoihin näkyy myös kontrollikoneella pakettihävikin pienenemistä. Tässä vaiheessa on todennäköisesti muutama SYN-paketti päässyt palvelimelle asti, jolloin palvelin on vastannut niihin aiheuttaen prosessorikuorman nousua. Samaan aikaan on myös palvelimen muistinkäytössä piikki, joka voi olla seurausta täsmälleen samasta asiasta. Pääasiassa

maksimikokoisella SYN-paketilla hyökkäyksen teho perustuu kuitenkin nimenomaan verkkokaistan tukkimiseen.

Käytännön erona SYN-tulvitukseen minimikokoisella paketilla ja mihin tahansa tulvitukseen maksimikokoisella paketilla on palvelimen kokema kuorma. Mikäli liikenne ei koskaan pääse palvelimelle asti, ei palvelin kuormitu nimeksikään ja tällöin palvelin pääsee vastaamaan välittömästi hyökkäyksen päätyttyä. Mikäli palvelimen resurssit saadaan kuitenkin kulutettua loppuun, saattaa palvelin parhaassa tapauksessa kaatua jolloin vaikutus on pitkäaikaisempi.

6.3 Jatkotutkimusmahdollisuudet

Tästä tutkimuksesta voidaan tehdä jatkotutkimusta esimerkiksi laajentamalla laboratoriokoetta vastaamaan todenmukaisempia olosuhteita. Tällöin kokeeseen voidaan luoda monipalveliminen ympäristö kuormantasaajalla, usealla edustapalvelimella sekä tietokantapalvelimilla. Hyökkäykset voidaan lisäksi tehdä useasta eri verkosta, jolloin päästään simuloimaan hajautettua palvelunestohyökkäystä.

7 Johtopäätökset

Palvelunestohyökkäysten tekeminen on muuttunut yksittäisten hakkereiden toiminnasta massojen huvitukseksi valmiiden hyökkäystyökalujen helpon saatavuuden vuoksi. Kun aiemmin hyökkäyksen tekemiseen tarvittiin suuri määrä henkilökohtaista osaamista, nyt kuka tahansa voi tehdä palvelunestohyökkäyksen käyttäen henkilökohtaista tietokonettaan. Tämä helpottaa huomattavasti esimerkiksi erilaisten aatesuuntien suorittamia hyökkäyksiä..

Ollakseen tehokas, verkkoyhteyden tukkimiseen tähtäävä tai fyysisiä resursseja kuluttava palvelunestohyökkäys vaatii kuitenkin suuren määrän resursseja. Käytännössä tarvitaan laaja botnetti, jotta hyökkäys voidaan hajauttaa riittävän laajalle alueelle. Voimakaskin hyökkäys, joka tulee vain yhdestä tai muutamasta kohteesta, voidaan torjua helposti suodattamalla kyseisistä kohteista tuleva liikenne kokonaan pois. Onnistunut hyökkäys vaatii siis laajan hajonnan, mielellään sekä loogisesti (eri verkoista) että maantieteellisesti (eri maanosista).

Laajan hajautetun hyökkäyksen torjuminen palvelun kaatumatta on mahdollista, mikäli kohteella on vain riittävästi resursseja. Kuormantasaajan käyttö sekä palvelinten sijoittaminen maantieteellisesti eri sijainteihin mahdollistavat palvelun kestämisen suurenkin paineen alla. Mikäli esimerkiksi hyökkäys tehdään IP-osoitteen perusteella palvelun yhtä palvelinta kohtaan, voidaan nimipalveluilla ohjata lailliset pyynnöt muille palvelimille.

Laajan verkkoyhteyttä kuluttavan hyökkäyksen torjunnassa ensiarvoisen tärkeässä asemassa on hyökkäyksen aikainen havaitseminen. Mikäli paketit eivät pääse palvelimelle asti, ei palvelimen sisäisellä tai samasta verkosta suoritettulla monitoroinnilla pystytä havaitsemaan hyökkäystä lainkaan. Tämän vuoksi palvelua tulisikin aina tarkkailla myös oman verkon ulkopuolelta.

Ohjelmistojen ja järjestelmien heikkouksia hyödyntävät hyökkäykset ovat vaarallisempia, sillä niiden tekeminen ei vaadi suurta kaistaleveyttä tai laajaa botnettia, vaan ne voidaan toteuttaa tehokkaasti vain yhdestä lähteestä hyvinkin pienellä

yhteysnopeudella. Ne ovat kuitenkin huomattavasti vaikeampia toteuttaa, sillä ne vaativat paljon enemmän tietotaitoa ja valmistelua kuin raa'alla voimalla tehtävät hyökkäykset.

Yleensä siinä vaiheessa, kun haavoittuvuus tulee suuren yleisön tietoon, on siihen jo olemassa korjaava päivitys. Näin ollen paras puolustus ohjelmointivirheeseen perustuvia verkkohyökkäyksiä vastaan on pitää järjestelmät ja ohjelmat päivitettyinä. Paras mahdollinen vaihtoehto on kuitenkin tehdä järjestelmät ja ohjelmistot alusta alkaen tietoturvallisiksi.

Erilaisten hyökkäysten vaikutukset eivät ulotu pelkästään hyökkäyksen kohteena olevaan palveluun. Yhtä palvelua vastaan tehtävä hyökkäys yleensä kaataa kaikki samalla palvelimella olevat palvelut. Mikäli hyökkäys on riittävän voimakas, se voi aiheuttaa ongelmia koko verkossa, jossa palvelin sijaitsee. Teoriassa riittävän voimakas ja hajautettu palvelunestohyökkäys saattaa estää pääsyn johonkin verkkoon kokonaan. Tällöin mikään kyseisessä verkossa oleva palvelu ei kykene vastaamaan ja ne ovat käytännössä kaikki palveluneston kohteina.

8 Yhteenveto

Palvelunestohyökkäysten torjumiseen ei ole yhtä kaikenkattavaa ratkaisua, vaan ratkaisu koostuu useista pienistä osasista. Torjuntatoimenpiteiden tulee siis olla eri osien suhteen tasapainossa ja taloudellisesti järkeviä suhteessa palvelun arvoon.

Palvelunestohyökkäyksiä vastaan on mahdollista puolustautua ja se myös kannattaa. Jokainen Internetiin kytketty palvelu on mahdollinen kohde palvelunestohyökkäykselle joko suoraan tai välillisesti.

Palvelunestohyökkäysten syyt ovat sen verran moninaiset, että niiden täydellinen ennaltaehkäisy ei ole mahdollista. Palvelusta voidaan pyrkiä pitämään poissa kaikki materiaali, joka saattaisi aiheuttaa eri aatesuuntausten pahastumista ja sitä kautta näiden aatteiden edustajien tekemiä hyökkäyksiä. Käytännössä kuitenkin ei ole mahdollista tehdä sivustoja tai palveluita, jotka eivät ärsyttäisi tai loukkaisi ketään. Lisäksi tulee vielä muistaa, että palvelua vastaan saattaa milloin tahansa hyökätä hauskanpitäjä, joka vain kokeilee onnistuuko palvelun kaataminen.

Palveluiden toiminnan kannalta kriittisimpien tai arvokkaimpien kohteiden suojaamiseen kannattaa käyttää enemmän resursseja kuin toisarvoisten palveluiden. Mikäli jonkin palvelun putoaminen pois pelistä aiheuttaisi suuria taloudellisia menetyksiä, tulee puolustautumistoimien olla riittävät.

Palvelunestohyökkäyksiltä suojauduttaessa kannattaa aloittaa perusteista. Oikein säädetty palomuri estää jo suuren osan hyökkäyksistä. Kattava valvonta puolestaan auttaa havaitsemaan hyökkäyksen ajoissa, jolloin vastatoimenpiteet voidaan aloittaa välittömästi parantaen palvelun mahdollisuutta selviytyä hyökkäyksestä. Ohjelmistot tulee myös pitää ajan tasalla. Nämä toimenpiteet eivät vaadi suuria investointeja ja ne voidaan toteuttaa missä tahansa palvelussa.

Mikäli ohjelmistot tai osa niistä tuotetaan itse, kannattaa tietoturvaan kiinnittää huomiota jo ohjelmistojen suunnitteluvaiheessa. Kun ohjelmisto on tehty alusta alkaen tietoturvalliseksi, se myös on turvallisempi kuin ohjelmisto, jossa tietoturva on lisätty

jälkikäteen. Jo palvelua suunnitellessa kannattaa käyttäjien syötteiden tarkistamisen lisäksi kiinnittää huomiota puoliavointen yhteyksien käyttämän muistin määrään sekä huolehtia siitä ettei palvelu vastaa väärin portteihin tai väärällä protokollalla saapuviin paketteihin. Myös palvelun toiminta mahdollisissa virhetilanteissa kannattaa ottaa huomioon ja testata huolellisesti.

Kun perusteet ovat kunnossa, voidaan puolustautumistoimia laajentaa lisäämällä palvelinten kapasiteettia, monistamalla palvelimet ja tasaamalla kuorma palvelimien kesken. Yksinkertaisimmillaan kuormaa voidaan tasata nimipalvelutasolla lisäämällä palvelun nimipalveluun useampi IP-osoite. Tehokkaampi ja kalliimpi ratkaisu on investoida tehokkaaseen kuormantasaajaan, jolla kuorma saadaan jaettua palvelimille tasaisemmin yhden IP-osoitteen kautta.

Lähteet

Ala-Ilkka, A. 12.11.2010. Tietotekniikkapääällikkö. Ideakone Oy. Haastattelu. Espoo

Allen, J. 2001. CERT Guide to System and Network Security Practices. Addison-Wesley. Yhdysvallat.

Behr, A. 2010. Why do people hack? Luettavissa:
http://www.ehow.com/about_4673738_why-do-people-hack.html. Luettu 19.10.2011.

CERT-FI 2007a. Tietoturva nyt! 31.5.2007. Suojautuminen hyökkäyksiltä kannattaa. Luettavissa: http://www.cert.fi/tietoturvanyt/2007/05/P_13.html. Luettu 12.10.2011.

CERT-FI 2007b. Tietoturva nyt! 31.5.2007. Palvelunestohyökkäyksiä on monta lajia. Luettavissa: http://www.cert.fi/tietoturvanyt/2007/05/P_12.html. Luettu 18.10.2010.

Chen, S. 2007. Application Denial of Service – Is it Really That Easy? Luettavissa:
https://www.owasp.org/images/d/da/OWASP_IL_7_Application_DOS.pdf. Luettu 18.10.2011

Davis, M. 2010. How to Survive a DDoS Extortion Attack. Luettavissa:
<http://www.whatevercompliance.com/network-security/how-to-survive-a-ddos-extortion-attack/>. Luettu 19.10.2011

Grubb, B. 2010. Film industry hires cyber hitmen to take down internet pirates. The Sydney Morning Herald 8.9.2010. Luettavissa:
<http://www.smh.com.au/technology/technology-news/film-industry-hires-cyber-hitmen-to-take-down-internet-pirates-20100907-14ypv.html>. Luettu 2.10.2011.

Horn, L. 2010. 'Anonymous' Launches DDoS Attacks Against WikiLeaks Foes. PC Magazine 8.12.2010. Luettavissa:
<http://www.pcmag.com/article2/0,2817,2374023,00.asp>. Luettu 10.10.2011.

Howard, M., LeBlanc, D. 2004. Ohjelmoijan tietoturvaopas. Edita Prima Oy. Helsinki.

Hyttinen, T. 2004. Internetin tietoturvaavaoittuvuudet ja palvelunestohyökkäykset. Opinnäytetyö. Helsingin liiketalouden ammttikorkeakoulu.

Jackson Higgins, K. 2010. New Wave Of DDoS Botnets Emerge. Luettavissa: <http://www.darkreading.com/database-security/167901020/security/attacks-breaches/227400405/new-wave-of-ddos-botnets-emerge.html>. Luettu: 19.10.2011.

Romano, M., Rosigno, S., Giannini, E. 2005. Robot Wars – How Botnets Work. Hakin9 – IT Security Magazine 20.10.2005. Luettavissa: <http://www.windowsecurity.com/articles/Robot-Wars-How-Botnets-Work.html>. Luettu 2.10.2011.

Ruohonen, M. 2001. Tietoturva. Docendo Finland Oy. Jyväskylä

Sanfilippo, S. 2006. Hping – Active Network Security Tool. Luettavissa: <http://www.hping.org>. Luettu: 2.10.2011.

Sonera 2010a. Keskustele ja kysy – Liitetiedoston koko. Luettavissa: <http://www5.sonera.fi/keskustele/viewtopic.php?f=59&t=1906>. Luettu 23.10.2011.

Sonera 2010b. Keskustele ja kysy – Webmailin liitteet. Luettavissa: <http://www5.sonera.fi/keskustele/viewtopic.php?f=59&t=3792>. Luettu 23.10.2011.

Souders, S. 2009. Even Faster Web Sites. O'Reilly Media Inc. Sebastopol, California USA.

Thomas, T. 2005. Verkkojen tietoturva. Edita Prima Oy. Helsinki

Unite the Cows 2010. Pirates Target Recording Industry Websites. Luettavissa: <http://www.unitehthecows.com/content/276-pirates-target-recording-industry-websites.html>. Luettu 10.10.2011.

Walker, R. 2006. Examining Load Average. Luettavissa:
<http://www.linuxjournal.com/article/9001>. Luettu 24.10.2011.

Wangyal, L. 2010. Leading Tibetan news portal suffers DDoS attacks. Tibet Sun
10.11.2010. Luettavissa: <http://www.tibetsun.com/archive/2010/11/10/leading-tibetan-news-portal-suffers-from-ddos-attacks/>. Luettu 10.10.2011

Williamson, C. 2008. Carpet bombing in cyberspace. Armed Forces Journal, May 2008.
Luettavissa: <http://www.armedforcesjournal.com/2008/05/3375884> . Luettu
19.10.2011.

Liitteet

Liite 1. Sisäverkon IP-osoitteet

Internet Assigned Numbers Authority (IANA) on varannut seuraavat IP-osoiteavaruudet vain sisäverkkokäyttöön:

- 10.0.0.0 – 10.255.255.255 (10.0.0.0/8)
- 172.16.0.0 – 172.31.255.255 (172.16.0.0/12)
- 192.168.0.0 – 192.168.255.255 (192.168.0.0/16)

Kyseisiä osoitteita voidaan siis käyttää ainoastaan sisäverkoissa. Tämä sen takia, että IP-osoitteiden määrä on rajallinen eikä kaikille mahdollisille verkon aktiivilaitteille voida määrittellä julkista IP-osoitetta. Näillä sisäverkon IP-osoitteilla on kuitenkin mahdollista käyttää TCP/IP-protokollaa tiedon välittämiseen sisäverkon laitteiden välillä.

Lisäksi on määritelty IP-osoiteavaruus 127.0.0.0 – 127.255.255.255 (127.0.0.0/8) määrittelemään niinsanottu localhost. Localhost on paikallinen tietokone, johon on siis helppo viitata esimerkiksi osoitteella 127.0.0.1.

Liite 2. Haastattelu, Antti Ala-Ilkka 12.11.2010

Haastattelijana Jyri Björkman (J), haastateltavana Ideakone Oy:n tietotekniikkapäällikkö Antti Ala-Ilkka (A). Haastattelu on toteutettu 12.11.2010 Espoossa, Ideakone Oy:n tiloissa. Haastattelu on tehty alun perin kurssiin Tietotekninen selvityshanke, mutta sain luvan haastattelun käyttöön myös tässä yhteydessä.

J: No niin, elikä pakolliset löpinät alkuun. Mä olen Jyri Björkman, haastattelussa Ideakoneen tietotekniikkapäällikkö Antti Ala-Ilkka ja aiheena on noi palvelunestohyökkäykset ja tää tulee tohon mun tietoteknisen selvityshankkeen materiaaliksi sitten tää haastattelu.

A: Kyllä

J: Joo, elikkä lähetään jos nyt jätetään semmoset suuremmat lööperit poies et päästään tekee töitäkin sitten taas ni ni ihan näist perusasioista että ni, ni ni palvelunestohyökkäyksiä, niitähän tehdään jatkuvasti joka puolelle.

A: Kyllä

J: Ni onks ne ollu ongelma tähän mennessä

A: Ööh, muutama ongelmakeissi ollu

J: Joo

A: ja ne on niinku parin vuoden takaa, oisko kakstuhatta seiska, kakstuhattakasi oli silleen että tota öö kaks tai kolme kertaa tuli niinku Romaniasta tota palvelunestohyökkäys, ihan niinku http-

J: Joo

A: palvelimiin ja se oli tota öö ei ollu hajautettu eli tuli yhestä ip:stä

J: Joo

A: mut se oli sen verran niinku voimakas että se näky meillä silleen että meidän niinku serverille ei tullu liikennettä ollenkaa

J: Okei

A: et se tukki jonku niinku reitittimen

J: Joo

A: siin edessä

J: Joo

A: mutta se tuli niinku yhestä ip:stä ni sitte Nebula pysty tota filteröimään sen ip:n

J: Joo

A: ulos ni sit se loppu ja toimi niinku

J: Okei

A: palvelut hyvin ja se toistu niinku mun mielest kaks tai kolme kertaa silleen niinku kuukauden sisällä

J: Okei

A: eri ip:istä mut kaikki oli niinku Romaniasta

J: Joo

A: ja tota ei mitenkään selvinny et olikse niinku ihan huonoo tsägää vai oliksiin joku niinku

J: Joo

A: ajatuski taustalla

J: Joo, meinasin just et ei niinku selvinny että se ois ollu jotain tiettyy esmes jotain tiettyy sivuu vastaan

A: ei selvinny joo

J: okei. Ja se oli Kotisivukoneelle tuli?

A: Joo

J: Joo. Moogos ei oo vissiin ollu

A: Ei oo ollu niinku palvelunestohyökkäyksii että ettäettä sit on ollu näit et nää spämmibotit avaa saitteja jotka vois niinku tavallaan aiheuttaa palvelunestohyökkäyksen jos

J: Joo

A: ne niinku vaikka täyttäis levytilan tai

J: joo no se on yks palvelunestohyökkäyksen tyyppi

A: Joo

J: on just se että

A: Mut mä luulen et niis on ollu enemmän se niinku spämmi

J: joo

A: näkökulma eikä palvelunestonäkökulma

J: Joo. Ok öö osaatsä yhtään niinkun eritellä et onks niinkun yleisesti ottaen palvelunestohyökkäyksistä et onkse niinku sattumaa mihin se kohdistuu vai onks siin yleensä niinku joku syy taustalla että

A: No kyl mä luulen et eneneväs määrin ois syy et

J: Joo

A: että, että tota, äh, et niinku meiän näkökulmast kaks isoo riskii, et toinen on se et meil on joku semmonen asiakas joka

J: joo

A: joku poliitikko tai, tai joku vihaa heh

J: hehheh

A: aiheuttava taho tai henkilö

J: Joo

A: jota vastaan hyökätään ja kun se on kaikki asiakkaat on kuitenkin samoilla palvelimilla ni se niinku lamauttais kaikkien muidenkin saitit ja ja tota niinku siis meiän koko palvelun kun yhtä asiakast vastaan hyökätään.

J: Joo

A: et se vois olla silleen että niinku jos näin käy ni todennäköisesti siis ei edes niinku siis palvelunestohyökkääjä vahingossa kaataa Kotisivukoneen ku se haluaa vaan kaataa sen yhen

J: Joo

A: saitin, et se on ja sit toinen on niinku et jos, jos niinku tämmönen lisääntyy että mitä nyt on luku että niinku kiristetään yrityksiä sillä että ku meilläki kuitenkin koko bisnes on vaan netissä

J: Joo

A: et jos niinku, heh, netti tai palvelu ei toimi ni ei oo bisnestäkään ni

J: Joo

A: et tämmönen niinku kiristysmeininki niinku toinen riski et jompikumpi näistä mä luulen et meillä ois silleen isoimpana riskinä

J: Mjoo. Öö ja mitä luulet et onks tää nyt niinkun tulevaisuudessa et onks tää riski niinku kohoomaan päin vai mahdollisesti laskemaan päin että nii...

A: Kyl mä luulen että se on kohoomaan päin että niinku

J: Joo

A: tälläset järjestäytyne rikollinen tai rikollisuus niin lähtee tämmöseen kiristykseen että jos ne ennen on niinku jotain huumekauppaa tehny

J: hehheh

A: ja käyny rinnuksiin kiinni ni nyt ne pystyy niinku nettifirmoi kiristää esimerkiksi tälläsel. Kyl mä uskon et se on kasvamaan päin

J: Joo. Ja siin ois sitte todennäkösesti ihan tämmönen taloudellinen hyöty

A: Joo

J: sitten ihan se

A: Kyllä

J: syy siinä. Ookoo, öö, sitte oletetaan nyt et sitten tulis tämmönen että meitä kiristetään ja halutaan rahaa meiltä että meidän palvelu ei mee nurin ni onks meil mitään mahdollisuuksii käytännössä estää sitä?

A: No jos on niinku tosi laaja hajautettu dossi ni tota, ää, ei varmaan niinku mitään kunnon keinoja että mä tota mun mielest silloin näiden Romaniakeissien jälkeen mä Nebulalta kyselin asiasta ja siel oli siis silleen että teoriassa ainakin niinku ois mahdollista niinku esimerkiks ulkomaanliikenne blokata kokonaan pois

J: Joo

A: jollon todennäkösesti palvelu toimis Suomessa niinku lähes yhtä hyvin ku ennenki

J: Joo

A: ja tota sit et ku se dossi nyt varmaan tulis niinku pääasias kuitenkin rajojen ulkopuolelta ni

J: todennäkösesti

A: ni se tota sit se niinku jäis rajalle et tottakai sitte niinku asiakkaat jotka asuu ulkomailla tai käyttäjät jotka tulee ulkomailta ni niille ei palvelu toimis mutta mut niinku about

J: Joo

A: kuitenkin toimis. Sitte tota et jos se on sit niinku siis ihan kunnon hajautettu dossi ni emmä usko et siihen mitkään niinku tekniset apuvälineet auttaa et ei

J: Joo

A: mikään niinku et se tukkii jonku reitittimen jo niin aikases vaihees et se ei ees tuu niinku meidän mihinkään kuormantasaajille asti se liikenne varmaankaan

J: Joo, no näin vois kuvitella mut siinävaiheessa todennäkösesti sitte kärsis aika monen muunki verkkoliikenne

A: Niin on, joo

J: et se ei koskis pelkästään meitä enää siinä vaiheessa

A: Joo, kyllä

J: Njoo. Sitte niin ihan sitte teknisempään puoleen ni onks meil mitkä ohjelmistoi meillä nyt on tos palvelimella eikä ihan tää peruskokoonpano?

A: Öö, joo et Linux-pohjaset palvelimet,

J: Joo

A: sitten Apache http-palvelimena , sitten on Tomcat-sovelluspalvelimet, Java, ja sitten MySQL-tietokanta.

J: Mjoo. Onks näitten, tuleeks niitten päivitykset automaattisesti vai ajetaanks ne jotenki keskitetysti?

A: Ei tuu automaattisesti, ni järjestelmäasiantuntija Esa päivittää niinku kuitenkin säännöllisesti

J: Joo

A: Mut manuaalisesti

J: Ok, no se on ihan hyvin, sit ei ainakaan pääse käymään sillai että joku toimimaton päivitys sitten tiputtais ... tavallaan ... tai avais uusii uhkia

A: Niin joo, ei näin toivottavasti ainakaan ei käy

J: Toivottavasti. Joo ja niin öö sitten ku palvelunestohyökkäyksiä nyt on kolmee tyyppiä, elikä siel on se että tapetaan verkkoyhteys, elikkä pistetään vaan niin paljon dataa et verkkoyhteys tipahtaa pois pelistä, sit on se että fyysiset resurssit kulutetaan esimerkiksi levytila, muisti

A: Joo

J: Jne, tai sitten toi että palvelinohjelmisto tai käyttöjärjestelmä pyritään kaataa jotain tietoturva-aukkoo käyttäen

A: Joo

J: Niin onko jotenkin niinkun erityisesti suojauduttu jotain näistä vastaan tai?

A: Öö, no kyl toi niinku palvelimen tai tää viimeinen siis tää että tietoturva-aukkoo ni siihen on niiku eniten suojauduttu että on niinku suljettu kaikki portit niinku melkein kaikkiin servereihin muualta ku toimistolta tai sisäverkosta ja tota pelkästään niinku http on auki tai https käytännös kaikkiin ja yhteen koneeseen on vaan ssl tai ää ssh auki, että tavallaan niinku ne palvelut missä voi olla se tietoturva-aukko, ni niit ei oo kovin montaa.

J: Okei

A: Mitä tarvii niinku sillee jatkuvasti päivittää. Sitte toi niinku fyysisten resurssien loppuunkäyttäminen se on niinku mun näkökulmast se on, siihen on varauduttu silleen huonoiten et se on, se ois tosi helppo tehdä kenen tahansa asiakkaan vaikka niinku uploadata vaan niinku niin paljon kamaa, mut siin on niinku taas sitte noi hälytykset

aika hyvät että niinku kun levytila tai muisti tai whatever on loppumassa niin siit läthee hälytykset niinku meilitse ja sit tekstarilla nii et tavallaan jos tämmönen on tapahtumassa niin siit saadaan ainakin varotus ennen ku se on niinku ihan tapissa se asia

J: et siihen pystytään reagoimaan sitte nopeesti

A: Joo, joo, ja itseasias tämmönen niinku mä en nyt viel ihan Esan kaa jutellu et mistä se johtu, mut toissapäivänä oli vähän tän henkinen ongelma ku postituslistalla joku asiakas niinku lähetti kymmenii tuhansii sähköposteja

J: Joo

A: Jonku meiän palvelimen kautta ja se tota ää mikäs tää nyt on tää postfixi joka ne lähettää ni se niinku jotenki siis tota alko käyttää sitä levytilaa niinku et se tavallaan söi kaikki resurssit siltä palvelimelta

J: Okei

A: niinku tän postituslistan käytöksen takii. Et se oli silleen niinku enemmän bugi mutta se on niinku

J: Mutta siit voi niinku tulla se

A: Niin et sitä vois hyödyntää joku muuki niinku, mut siitki saatiin hälytys niinku ennen ku se kaato mitään

J: Joo

A: ja tota sit toi niinku verkkotason niinku jos kunnon siis niinku liikenteellä dossia tehtäis niin sitä ei niinku ei varsinaisesti oo mitenkään niinku suojauduttu että että ehkä nyt silleen et on niinku kuormantasaaja et ei se niinku ihan kenenkään niinku koti ADSL:llä pysty dossia tekee et kyl se pitäis niinku semi paksu putki olla tai hajautettu

J: Et ei ihan ihan kyykkää vaikka tuliski pikkusen enemmän

A: nii, nii

J: et palvelin niinku palvelimet on kuitenkin vissiin aika lailla myöski hajautettu tai siis sillä tavalla et on useempi palvelimii jotka niihin pyyntöihin pystyy vastaamaan

A: Joo

J: et niin kauan ku kuorman tasaaja pysyy pelissä ni niin kauan,

A: Joo

J: niin kauan sitten saadaan myös palvelimilta vastauksii

A: Joo, kyllä. Ja sitten aikasemmin oli sillai et jos se apachetaso meni tukkoon

J: Joo

A: Ni se niinku tai jos niinku tuli paljon, tuli liikaa sivupyyntöjä ni se niinku Apache vaan niinku heitti niitä Tomcateille jollon kaikki Tomcatitki oli ihan niinku kyykyssä. nyt se on sillai että sit Apache vaan niinku tietyn rajan jälkeen heittää vaan virheilmoitusta sinne käyttäjälle

J: Joo

A: Jollon se ei niinku tavallaan siirry sinne seuraavalle tasolle

J: Joo

A: Se pullonkaula

J: Joo elikkä se niinku jo ennen sitä sovellustasoo sitten

A: Joo

J: Suodattaa periaatteessa liiat yhteydet poies

A: Joo, just silleen

J: Okei. Se kuulostaa ihan hyvältä et se ei ihan, ei ihan noin vaan sitten onnistu. Nja onks sitten niin ku se menee melkein sitte ku se on Nebulalla ne meidän palvelimet ni menee jo melkein sille puolelle mut tiitkö sit onks heillä sit joku tämmönen ää joku joko osotetason tai sitten jonkun protokollatason palomuuuri joka sitten blokkais

A: Joo

J: sit ei toivottuu liikennettä

A: Joo, on, on että et siin on niinku blokattu tota niinku kaikki muut portit paitsi http ja https ja sitte tota ssh:t kaikilt muilt paitsi yheltä koneelta ja ja mä en tarkemmin tiä et mikä rauta siel on taustal mutta mul on semmonen käsitys että se on aika järee palomuuuri et

J: Joo, kuvittelis ainakin. Sitten ainakin jossain vaihees ohjelmistois oli ongelmaa tän kanssa et jos tulee joko niinkun epätäydellisii paketteja http paketteja esimerkiks tai epätäydellisii pingejä tai sitten puskurin ylivuotavii pingejä niin onks nää sitten ihan jo mennyttä

A: No

J: menneen talven lumia

A: No, no ne on semmosii että että jos nää niinku palvelinohjelmistot ei osaa niit hanskata ni ei osaa, ei osata mekään, siis että me luotetaan siihen että se kuormantasaustaslayeri ja sitten niinku palvelinohjelmistot on niinku näiden osalta suojassa.

J: Okei

A: Mutta, mut jos sielt löytyy uusiä tämmösiä haavoittuvuuksia ni sitten niin kauan ennen ku tulee ohjelmistopäivitys ni ollaan sitte kyl riskiryhmässä.

J: Joo. OK.Äää, oisko sul viel jotakin mitä sä erityisesti haluisit kertoa tähän asiaan liittyen tuleeks vielä jotakin mieleen?

A: Öää tota, no ehkä semmonen mikä meillä ei nyt niinku palvelunestohyökkäysmielessä, mutta muuten on tapahtunu et ku on ollu niinku nimipalvelimien kanssa ongelmia

J: Joo

A: ni sit on niinku kaikki ollu kyykyssä eli tavallaan siis meidän tapauksessa niinku jos se dossieri tehtäis nimipalvelimin niin se ois ihan yhtä paha kuin et tehtäis meidän palvelimiin koska niinku

J: Joo

A: sitten mikään domaini ei toiminut

J: Mmm

A: että

J: Ellei itse asiaa jopa pahempikin koska sinne ei välttämättä odoteta samalla tavalla palvelunestoa ku sinne palvelimelle

A: Nii, nii ku ne on niin kevyitä palvelimia ku ei siel oo liikennettä niinku normaalisti kuitenkaan. Et se on ehkä se semmonen mitä meidän, mitä me ollaan sit paljon mietitty et miten me tota niinku nimipalvelimien palvelutasoa pystyttäis varmistaa että se

J: Joo

A: ne ei ois kyykyssä

J: Sielläkin mun käsittääkseni nytten parannettiin itse asiassa sitä se kertaalleen ainakin kävi se että nimipalvelimet lähti pois pelistä

A: Joo

J: Ni sen jälkeenhän ne lisäs sitten kotisivut.comilla lisäs toiseen verkkoblokkiin

A: Joo, joo et siel on nyt niinku neljä palvelinta ja kahessa eri verkkoblokissa

J: Joo

A: Joka niinku pienentää riskiä mut tottakai et jos joku niinku oikeesti haluaa ne kyykyyn ni kyl ne niinku saa sitten

J: Joo

A: Et se on ehkä semmonen, semmonen mikä ei oo niinku tai on niinku aika vähän omissa käsissä täl hetkel ainakin että

J: Joo. onks suunnitelmia että mahdollisesti otettais nimipalvelut ihan omille käsille, että ni

A: No siit on mietitty tommosiikin suunnitelmii ja sitte niinku on tiettyi ohjelmistotaloja jotka niinku tekee nimipalvelintuotteita jotka on nimenomaan niinku tietoturva ja tämmösen niinku

J: Okei

A: käytettävyyden kannalta optimoituja, et niksullakin on semmonen joku joku mitä ne ainakin niinku mainostaa ainakin et se on niinku siis erittäin

J: Okei

A: Erittäin turvallinen ja pysyis pystyssä vaikka mitä käy että et siit voi olla niinku et joko tai varmaan se sitten vaatis sen et ne ottaa omaan hallintaan mut et sitten niinku mikä et millä niinku ohjelmistoil niit pyörittää ja missä verkossa ja millasel raudalla ni

J: Joo

A: sillä sit vois maksimoida sitä turvallisuutta

J: Elikä, elikä käytännössä just se et vaikka kuinka ite varautuis ni se ei aina oo omissa käsissä

A: Joo

J: Et miten se homma toimii

A: Joo, kyllä, juuri näin

J: Hyvä juttu, hyvä juttu. Hei, paljon kiitoksii tää meni vähän vikkelämmiin ku mitä mä odotin, mutta niin

A: Kyllä

J: Mut täst sai oikein hyvin sai, sai materiaalia

A: Hyvä, kysy lisää jos tulee niinku myöhemmin,

J: Joo,

A: lisäkysymyksiä

J: ni mä heittelen sit vaik sähköpostii jos tulee jotain ni, ni ni saadaan sitten, saa sitten hommaa eteenpäin.

A: Kyllä

J: Jes kiitoksia paljon.

Liite 3. Laboratoriokokeen tulostiedostot: control\kontrolli.txt:

```
PING 192.168.255.1 (192.168.255.1) 56(84) bytes of data.
64 bytes from 192.168.255.1: icmp_req=1 ttl=64 time=0.276 ms
64 bytes from 192.168.255.1: icmp_req=2 ttl=64 time=0.223 ms
64 bytes from 192.168.255.1: icmp_req=3 ttl=64 time=0.227 ms
64 bytes from 192.168.255.1: icmp_req=4 ttl=64 time=0.203 ms
64 bytes from 192.168.255.1: icmp_req=5 ttl=64 time=0.200 ms
64 bytes from 192.168.255.1: icmp_req=6 ttl=64 time=0.298 ms
64 bytes from 192.168.255.1: icmp_req=7 ttl=64 time=0.235 ms
64 bytes from 192.168.255.1: icmp_req=8 ttl=64 time=0.282 ms
64 bytes from 192.168.255.1: icmp_req=9 ttl=64 time=0.291 ms
64 bytes from 192.168.255.1: icmp_req=10 ttl=64 time=0.249 ms
64 bytes from 192.168.255.1: icmp_req=11 ttl=64 time=0.213 ms
64 bytes from 192.168.255.1: icmp_req=12 ttl=64 time=0.224 ms
64 bytes from 192.168.255.1: icmp_req=13 ttl=64 time=0.241 ms
64 bytes from 192.168.255.1: icmp_req=14 ttl=64 time=0.214 ms
64 bytes from 192.168.255.1: icmp_req=15 ttl=64 time=0.171 ms
64 bytes from 192.168.255.1: icmp_req=16 ttl=64 time=0.223 ms
64 bytes from 192.168.255.1: icmp_req=17 ttl=64 time=0.241 ms
64 bytes from 192.168.255.1: icmp_req=18 ttl=64 time=0.236 ms
64 bytes from 192.168.255.1: icmp_req=19 ttl=64 time=0.241 ms
64 bytes from 192.168.255.1: icmp_req=20 ttl=64 time=0.269 ms
64 bytes from 192.168.255.1: icmp_req=21 ttl=64 time=0.220 ms
64 bytes from 192.168.255.1: icmp_req=22 ttl=64 time=0.217 ms
64 bytes from 192.168.255.1: icmp_req=23 ttl=64 time=0.182 ms
64 bytes from 192.168.255.1: icmp_req=24 ttl=64 time=0.199 ms
64 bytes from 192.168.255.1: icmp_req=25 ttl=64 time=0.258 ms
64 bytes from 192.168.255.1: icmp_req=26 ttl=64 time=0.256 ms
64 bytes from 192.168.255.1: icmp_req=27 ttl=64 time=0.225 ms
64 bytes from 192.168.255.1: icmp_req=28 ttl=64 time=0.227 ms
64 bytes from 192.168.255.1: icmp_req=29 ttl=64 time=0.258 ms
64 bytes from 192.168.255.1: icmp_req=30 ttl=64 time=0.245 ms
64 bytes from 192.168.255.1: icmp_req=31 ttl=64 time=0.285 ms
64 bytes from 192.168.255.1: icmp_req=32 ttl=64 time=0.214 ms
64 bytes from 192.168.255.1: icmp_req=33 ttl=64 time=0.190 ms
64 bytes from 192.168.255.1: icmp_req=34 ttl=64 time=0.173 ms
64 bytes from 192.168.255.1: icmp_req=35 ttl=64 time=0.263 ms
64 bytes from 192.168.255.1: icmp_req=36 ttl=64 time=0.274 ms
64 bytes from 192.168.255.1: icmp_req=37 ttl=64 time=0.167 ms
64 bytes from 192.168.255.1: icmp_req=38 ttl=64 time=0.222 ms
64 bytes from 192.168.255.1: icmp_req=39 ttl=64 time=0.227 ms
64 bytes from 192.168.255.1: icmp_req=40 ttl=64 time=0.208 ms
64 bytes from 192.168.255.1: icmp_req=41 ttl=64 time=0.225 ms
64 bytes from 192.168.255.1: icmp_req=42 ttl=64 time=0.235 ms
64 bytes from 192.168.255.1: icmp_req=43 ttl=64 time=0.241 ms
64 bytes from 192.168.255.1: icmp_req=44 ttl=64 time=0.247 ms
64 bytes from 192.168.255.1: icmp_req=45 ttl=64 time=0.217 ms
64 bytes from 192.168.255.1: icmp_req=46 ttl=64 time=0.212 ms
64 bytes from 192.168.255.1: icmp_req=47 ttl=64 time=0.241 ms
64 bytes from 192.168.255.1: icmp_req=48 ttl=64 time=0.241 ms
64 bytes from 192.168.255.1: icmp_req=49 ttl=64 time=0.228 ms
64 bytes from 192.168.255.1: icmp_req=50 ttl=64 time=0.220 ms
64 bytes from 192.168.255.1: icmp_req=51 ttl=64 time=0.207 ms
64 bytes from 192.168.255.1: icmp_req=52 ttl=64 time=0.246 ms
64 bytes from 192.168.255.1: icmp_req=53 ttl=64 time=0.264 ms
64 bytes from 192.168.255.1: icmp_req=54 ttl=64 time=0.177 ms
```

[illegible]

[illegible]

[illegible]


```
64 bytes from 192.168.255.1: icmp_req=226 ttl=64 time=0.260 ms
64 bytes from 192.168.255.1: icmp_req=227 ttl=64 time=0.214 ms
64 bytes from 192.168.255.1: icmp_req=228 ttl=64 time=0.243 ms
64 bytes from 192.168.255.1: icmp_req=229 ttl=64 time=0.232 ms
64 bytes from 192.168.255.1: icmp_req=230 ttl=64 time=0.228 ms
64 bytes from 192.168.255.1: icmp_req=231 ttl=64 time=0.218 ms
64 bytes from 192.168.255.1: icmp_req=232 ttl=64 time=0.197 ms
64 bytes from 192.168.255.1: icmp_req=233 ttl=64 time=0.241 ms
64 bytes from 192.168.255.1: icmp_req=234 ttl=64 time=0.248 ms
64 bytes from 192.168.255.1: icmp_req=235 ttl=64 time=0.174 ms
64 bytes from 192.168.255.1: icmp_req=236 ttl=64 time=0.218 ms
64 bytes from 192.168.255.1: icmp_req=237 ttl=64 time=0.229 ms
64 bytes from 192.168.255.1: icmp_req=238 ttl=64 time=0.178 ms
64 bytes from 192.168.255.1: icmp_req=239 ttl=64 time=0.279 ms
64 bytes from 192.168.255.1: icmp_req=240 ttl=64 time=0.233 ms
64 bytes from 192.168.255.1: icmp_req=241 ttl=64 time=0.274 ms
64 bytes from 192.168.255.1: icmp_req=242 ttl=64 time=0.263 ms
64 bytes from 192.168.255.1: icmp_req=243 ttl=64 time=0.269 ms
64 bytes from 192.168.255.1: icmp_req=244 ttl=64 time=0.171 ms
64 bytes from 192.168.255.1: icmp_req=245 ttl=64 time=0.256 ms
64 bytes from 192.168.255.1: icmp_req=246 ttl=64 time=0.227 ms
64 bytes from 192.168.255.1: icmp_req=247 ttl=64 time=0.228 ms
64 bytes from 192.168.255.1: icmp_req=248 ttl=64 time=0.203 ms
64 bytes from 192.168.255.1: icmp_req=249 ttl=64 time=0.178 ms
64 bytes from 192.168.255.1: icmp_req=250 ttl=64 time=0.237 ms
64 bytes from 192.168.255.1: icmp_req=251 ttl=64 time=0.197 ms
64 bytes from 192.168.255.1: icmp_req=252 ttl=64 time=0.238 ms
64 bytes from 192.168.255.1: icmp_req=253 ttl=64 time=0.176 ms
64 bytes from 192.168.255.1: icmp_req=254 ttl=64 time=0.174 ms
64 bytes from 192.168.255.1: icmp_req=255 ttl=64 time=0.212 ms
64 bytes from 192.168.255.1: icmp_req=256 ttl=64 time=0.230 ms
```

--- 192.168.255.1 ping statistics ---

256 packets transmitted, 256 received, 0% packet loss, time
254998ms

rtt min/avg/max/mdev = 0.092/0.225/0.298/0.036 ms

Liite 4. Laboratoriokokeen tulostiedostot: control\synflood1.txt

```
PING 192.168.255.1 (192.168.255.1) 56(84) bytes of data.  
64 bytes from 192.168.255.1: icmp_req=1 ttl=64 time=0.812 ms  
64 bytes from 192.168.255.1: icmp_req=3 ttl=64 time=0.789 ms  
64 bytes from 192.168.255.1: icmp_req=4 ttl=64 time=0.835 ms  
64 bytes from 192.168.255.1: icmp_req=8 ttl=64 time=0.882 ms  
64 bytes from 192.168.255.1: icmp_req=10 ttl=64 time=0.793 ms  
64 bytes from 192.168.255.1: icmp_req=11 ttl=64 time=0.864 ms  
64 bytes from 192.168.255.1: icmp_req=15 ttl=64 time=0.860 ms  
64 bytes from 192.168.255.1: icmp_req=16 ttl=64 time=0.867 ms  
64 bytes from 192.168.255.1: icmp_req=18 ttl=64 time=0.821 ms  
64 bytes from 192.168.255.1: icmp_req=20 ttl=64 time=0.793 ms  
64 bytes from 192.168.255.1: icmp_req=24 ttl=64 time=0.863 ms  
64 bytes from 192.168.255.1: icmp_req=31 ttl=64 time=0.786 ms  
64 bytes from 192.168.255.1: icmp_req=35 ttl=64 time=0.847 ms  
64 bytes from 192.168.255.1: icmp_req=36 ttl=64 time=0.857 ms  
64 bytes from 192.168.255.1: icmp_req=43 ttl=64 time=0.830 ms  
64 bytes from 192.168.255.1: icmp_req=45 ttl=64 time=0.827 ms  
64 bytes from 192.168.255.1: icmp_req=46 ttl=64 time=0.825 ms  
64 bytes from 192.168.255.1: icmp_req=49 ttl=64 time=0.841 ms  
64 bytes from 192.168.255.1: icmp_req=50 ttl=64 time=0.841 ms  
64 bytes from 192.168.255.1: icmp_req=53 ttl=64 time=0.798 ms  
64 bytes from 192.168.255.1: icmp_req=55 ttl=64 time=0.830 ms  
64 bytes from 192.168.255.1: icmp_req=61 ttl=64 time=0.806 ms  
64 bytes from 192.168.255.1: icmp_req=63 ttl=64 time=0.798 ms  
64 bytes from 192.168.255.1: icmp_req=65 ttl=64 time=0.869 ms  
64 bytes from 192.168.255.1: icmp_req=68 ttl=64 time=0.793 ms  
64 bytes from 192.168.255.1: icmp_req=69 ttl=64 time=0.781 ms  
64 bytes from 192.168.255.1: icmp_req=72 ttl=64 time=0.860 ms  
64 bytes from 192.168.255.1: icmp_req=77 ttl=64 time=0.745 ms  
64 bytes from 192.168.255.1: icmp_req=81 ttl=64 time=0.853 ms  
64 bytes from 192.168.255.1: icmp_req=83 ttl=64 time=0.775 ms  
64 bytes from 192.168.255.1: icmp_req=94 ttl=64 time=0.773 ms  
64 bytes from 192.168.255.1: icmp_req=95 ttl=64 time=0.862 ms  
64 bytes from 192.168.255.1: icmp_req=96 ttl=64 time=0.782 ms  
64 bytes from 192.168.255.1: icmp_req=98 ttl=64 time=0.772 ms  
64 bytes from 192.168.255.1: icmp_req=99 ttl=64 time=0.849 ms  
64 bytes from 192.168.255.1: icmp_req=100 ttl=64 time=0.841 ms  
64 bytes from 192.168.255.1: icmp_req=101 ttl=64 time=0.851 ms  
64 bytes from 192.168.255.1: icmp_req=104 ttl=64 time=0.871 ms  
64 bytes from 192.168.255.1: icmp_req=106 ttl=64 time=0.830 ms  
64 bytes from 192.168.255.1: icmp_req=107 ttl=64 time=0.806 ms  
64 bytes from 192.168.255.1: icmp_req=108 ttl=64 time=0.861 ms  
64 bytes from 192.168.255.1: icmp_req=110 ttl=64 time=0.861 ms  
64 bytes from 192.168.255.1: icmp_req=113 ttl=64 time=0.751 ms  
64 bytes from 192.168.255.1: icmp_req=115 ttl=64 time=0.823 ms  
64 bytes from 192.168.255.1: icmp_req=116 ttl=64 time=0.843 ms  
64 bytes from 192.168.255.1: icmp_req=119 ttl=64 time=0.802 ms  
64 bytes from 192.168.255.1: icmp_req=120 ttl=64 time=0.783 ms  
64 bytes from 192.168.255.1: icmp_req=128 ttl=64 time=0.849 ms  
64 bytes from 192.168.255.1: icmp_req=130 ttl=64 time=0.804 ms  
64 bytes from 192.168.255.1: icmp_req=133 ttl=64 time=0.784 ms  
64 bytes from 192.168.255.1: icmp_req=135 ttl=64 time=0.827 ms  
64 bytes from 192.168.255.1: icmp_req=137 ttl=64 time=0.803 ms  
64 bytes from 192.168.255.1: icmp_req=139 ttl=64 time=0.818 ms  
64 bytes from 192.168.255.1: icmp_req=140 ttl=64 time=0.858 ms
```

64 bytes from 192.168.255.1: icmp_req=141 ttl=64 time=0.798 ms
64 bytes from 192.168.255.1: icmp_req=142 ttl=64 time=0.782 ms
64 bytes from 192.168.255.1: icmp_req=143 ttl=64 time=0.830 ms
64 bytes from 192.168.255.1: icmp_req=144 ttl=64 time=0.859 ms
64 bytes from 192.168.255.1: icmp_req=146 ttl=64 time=0.830 ms
64 bytes from 192.168.255.1: icmp_req=147 ttl=64 time=0.810 ms
64 bytes from 192.168.255.1: icmp_req=149 ttl=64 time=0.797 ms
64 bytes from 192.168.255.1: icmp_req=150 ttl=64 time=0.815 ms
64 bytes from 192.168.255.1: icmp_req=151 ttl=64 time=0.846 ms
64 bytes from 192.168.255.1: icmp_req=152 ttl=64 time=0.825 ms
64 bytes from 192.168.255.1: icmp_req=153 ttl=64 time=0.818 ms
64 bytes from 192.168.255.1: icmp_req=157 ttl=64 time=0.877 ms
64 bytes from 192.168.255.1: icmp_req=158 ttl=64 time=0.835 ms
64 bytes from 192.168.255.1: icmp_req=159 ttl=64 time=0.811 ms
64 bytes from 192.168.255.1: icmp_req=161 ttl=64 time=0.817 ms
64 bytes from 192.168.255.1: icmp_req=162 ttl=64 time=0.830 ms
64 bytes from 192.168.255.1: icmp_req=166 ttl=64 time=0.825 ms
64 bytes from 192.168.255.1: icmp_req=167 ttl=64 time=0.844 ms
64 bytes from 192.168.255.1: icmp_req=170 ttl=64 time=0.798 ms
64 bytes from 192.168.255.1: icmp_req=172 ttl=64 time=0.832 ms
64 bytes from 192.168.255.1: icmp_req=175 ttl=64 time=0.831 ms
64 bytes from 192.168.255.1: icmp_req=178 ttl=64 time=0.771 ms
64 bytes from 192.168.255.1: icmp_req=182 ttl=64 time=0.813 ms
64 bytes from 192.168.255.1: icmp_req=184 ttl=64 time=0.857 ms
64 bytes from 192.168.255.1: icmp_req=185 ttl=64 time=0.855 ms
64 bytes from 192.168.255.1: icmp_req=186 ttl=64 time=0.833 ms
64 bytes from 192.168.255.1: icmp_req=188 ttl=64 time=0.833 ms
64 bytes from 192.168.255.1: icmp_req=189 ttl=64 time=0.884 ms
64 bytes from 192.168.255.1: icmp_req=190 ttl=64 time=0.815 ms
64 bytes from 192.168.255.1: icmp_req=194 ttl=64 time=0.831 ms
64 bytes from 192.168.255.1: icmp_req=195 ttl=64 time=5.60 ms
64 bytes from 192.168.255.1: icmp_req=196 ttl=64 time=0.805 ms
64 bytes from 192.168.255.1: icmp_req=197 ttl=64 time=0.855 ms
64 bytes from 192.168.255.1: icmp_req=198 ttl=64 time=0.825 ms
64 bytes from 192.168.255.1: icmp_req=199 ttl=64 time=0.808 ms
64 bytes from 192.168.255.1: icmp_req=201 ttl=64 time=0.865 ms
64 bytes from 192.168.255.1: icmp_req=202 ttl=64 time=0.791 ms
64 bytes from 192.168.255.1: icmp_req=203 ttl=64 time=0.832 ms
64 bytes from 192.168.255.1: icmp_req=205 ttl=64 time=0.804 ms
64 bytes from 192.168.255.1: icmp_req=207 ttl=64 time=0.756 ms
64 bytes from 192.168.255.1: icmp_req=209 ttl=64 time=0.865 ms
64 bytes from 192.168.255.1: icmp_req=210 ttl=64 time=0.828 ms
64 bytes from 192.168.255.1: icmp_req=211 ttl=64 time=0.788 ms
64 bytes from 192.168.255.1: icmp_req=213 ttl=64 time=0.867 ms
64 bytes from 192.168.255.1: icmp_req=215 ttl=64 time=0.796 ms
64 bytes from 192.168.255.1: icmp_req=217 ttl=64 time=0.817 ms
64 bytes from 192.168.255.1: icmp_req=218 ttl=64 time=0.841 ms
64 bytes from 192.168.255.1: icmp_req=219 ttl=64 time=0.705 ms
64 bytes from 192.168.255.1: icmp_req=220 ttl=64 time=0.766 ms
64 bytes from 192.168.255.1: icmp_req=223 ttl=64 time=0.844 ms
64 bytes from 192.168.255.1: icmp_req=225 ttl=64 time=0.838 ms
64 bytes from 192.168.255.1: icmp_req=226 ttl=64 time=0.839 ms
64 bytes from 192.168.255.1: icmp_req=227 ttl=64 time=0.859 ms
64 bytes from 192.168.255.1: icmp_req=233 ttl=64 time=0.800 ms
64 bytes from 192.168.255.1: icmp_req=235 ttl=64 time=0.870 ms
64 bytes from 192.168.255.1: icmp_req=237 ttl=64 time=0.851 ms
64 bytes from 192.168.255.1: icmp_req=240 ttl=64 time=0.819 ms

64 bytes from 192.168.255.1: icmp_req=241 ttl=64 time=0.807 ms
64 bytes from 192.168.255.1: icmp_req=244 ttl=64 time=0.844 ms
64 bytes from 192.168.255.1: icmp_req=246 ttl=64 time=0.813 ms
64 bytes from 192.168.255.1: icmp_req=254 ttl=64 time=0.843 ms
64 bytes from 192.168.255.1: icmp_req=258 ttl=64 time=0.829 ms
64 bytes from 192.168.255.1: icmp_req=261 ttl=64 time=0.853 ms
64 bytes from 192.168.255.1: icmp_req=262 ttl=64 time=0.858 ms
64 bytes from 192.168.255.1: icmp_req=263 ttl=64 time=0.854 ms
64 bytes from 192.168.255.1: icmp_req=265 ttl=64 time=0.852 ms
64 bytes from 192.168.255.1: icmp_req=267 ttl=64 time=0.863 ms
64 bytes from 192.168.255.1: icmp_req=268 ttl=64 time=0.859 ms
64 bytes from 192.168.255.1: icmp_req=269 ttl=64 time=0.795 ms
64 bytes from 192.168.255.1: icmp_req=272 ttl=64 time=0.804 ms
64 bytes from 192.168.255.1: icmp_req=275 ttl=64 time=0.869 ms
64 bytes from 192.168.255.1: icmp_req=276 ttl=64 time=0.838 ms
64 bytes from 192.168.255.1: icmp_req=277 ttl=64 time=0.800 ms
64 bytes from 192.168.255.1: icmp_req=280 ttl=64 time=0.840 ms
64 bytes from 192.168.255.1: icmp_req=281 ttl=64 time=0.783 ms
64 bytes from 192.168.255.1: icmp_req=283 ttl=64 time=0.842 ms
64 bytes from 192.168.255.1: icmp_req=292 ttl=64 time=0.797 ms
64 bytes from 192.168.255.1: icmp_req=294 ttl=64 time=0.830 ms
64 bytes from 192.168.255.1: icmp_req=296 ttl=64 time=0.809 ms
64 bytes from 192.168.255.1: icmp_req=298 ttl=64 time=0.804 ms
64 bytes from 192.168.255.1: icmp_req=304 ttl=64 time=0.828 ms
64 bytes from 192.168.255.1: icmp_req=305 ttl=64 time=0.776 ms
64 bytes from 192.168.255.1: icmp_req=307 ttl=64 time=0.814 ms
64 bytes from 192.168.255.1: icmp_req=308 ttl=64 time=0.839 ms
64 bytes from 192.168.255.1: icmp_req=309 ttl=64 time=0.861 ms
64 bytes from 192.168.255.1: icmp_req=311 ttl=64 time=0.794 ms
64 bytes from 192.168.255.1: icmp_req=312 ttl=64 time=0.862 ms
64 bytes from 192.168.255.1: icmp_req=313 ttl=64 time=0.871 ms
64 bytes from 192.168.255.1: icmp_req=314 ttl=64 time=0.813 ms
64 bytes from 192.168.255.1: icmp_req=316 ttl=64 time=0.838 ms
64 bytes from 192.168.255.1: icmp_req=318 ttl=64 time=0.780 ms
64 bytes from 192.168.255.1: icmp_req=319 ttl=64 time=0.803 ms
64 bytes from 192.168.255.1: icmp_req=325 ttl=64 time=0.840 ms
64 bytes from 192.168.255.1: icmp_req=326 ttl=64 time=0.833 ms
64 bytes from 192.168.255.1: icmp_req=328 ttl=64 time=0.809 ms
64 bytes from 192.168.255.1: icmp_req=333 ttl=64 time=0.867 ms
64 bytes from 192.168.255.1: icmp_req=334 ttl=64 time=0.784 ms
64 bytes from 192.168.255.1: icmp_req=335 ttl=64 time=0.828 ms
64 bytes from 192.168.255.1: icmp_req=336 ttl=64 time=0.829 ms
64 bytes from 192.168.255.1: icmp_req=337 ttl=64 time=0.815 ms
64 bytes from 192.168.255.1: icmp_req=338 ttl=64 time=0.822 ms
64 bytes from 192.168.255.1: icmp_req=342 ttl=64 time=0.823 ms
64 bytes from 192.168.255.1: icmp_req=343 ttl=64 time=0.795 ms
64 bytes from 192.168.255.1: icmp_req=349 ttl=64 time=0.873 ms
64 bytes from 192.168.255.1: icmp_req=350 ttl=64 time=0.778 ms
64 bytes from 192.168.255.1: icmp_req=351 ttl=64 time=0.820 ms
64 bytes from 192.168.255.1: icmp_req=359 ttl=64 time=0.794 ms
64 bytes from 192.168.255.1: icmp_req=362 ttl=64 time=0.815 ms
64 bytes from 192.168.255.1: icmp_req=363 ttl=64 time=0.805 ms
64 bytes from 192.168.255.1: icmp_req=364 ttl=64 time=0.772 ms
64 bytes from 192.168.255.1: icmp_req=365 ttl=64 time=0.852 ms
64 bytes from 192.168.255.1: icmp_req=367 ttl=64 time=0.801 ms
64 bytes from 192.168.255.1: icmp_req=368 ttl=64 time=0.803 ms
64 bytes from 192.168.255.1: icmp_req=373 ttl=64 time=0.800 ms

64 bytes from 192.168.255.1: icmp_req=374 ttl=64 time=0.803 ms
64 bytes from 192.168.255.1: icmp_req=375 ttl=64 time=0.790 ms
64 bytes from 192.168.255.1: icmp_req=376 ttl=64 time=0.854 ms
64 bytes from 192.168.255.1: icmp_req=377 ttl=64 time=0.860 ms
64 bytes from 192.168.255.1: icmp_req=379 ttl=64 time=0.777 ms
64 bytes from 192.168.255.1: icmp_req=380 ttl=64 time=0.799 ms
64 bytes from 192.168.255.1: icmp_req=383 ttl=64 time=0.839 ms
64 bytes from 192.168.255.1: icmp_req=386 ttl=64 time=0.856 ms
64 bytes from 192.168.255.1: icmp_req=393 ttl=64 time=0.833 ms
64 bytes from 192.168.255.1: icmp_req=397 ttl=64 time=0.797 ms
64 bytes from 192.168.255.1: icmp_req=399 ttl=64 time=0.885 ms
64 bytes from 192.168.255.1: icmp_req=402 ttl=64 time=0.854 ms
64 bytes from 192.168.255.1: icmp_req=405 ttl=64 time=0.865 ms
64 bytes from 192.168.255.1: icmp_req=406 ttl=64 time=0.860 ms
64 bytes from 192.168.255.1: icmp_req=408 ttl=64 time=0.837 ms
64 bytes from 192.168.255.1: icmp_req=411 ttl=64 time=0.841 ms
64 bytes from 192.168.255.1: icmp_req=412 ttl=64 time=0.873 ms
64 bytes from 192.168.255.1: icmp_req=413 ttl=64 time=0.841 ms
64 bytes from 192.168.255.1: icmp_req=417 ttl=64 time=0.818 ms
64 bytes from 192.168.255.1: icmp_req=419 ttl=64 time=0.829 ms
64 bytes from 192.168.255.1: icmp_req=420 ttl=64 time=0.823 ms
64 bytes from 192.168.255.1: icmp_req=422 ttl=64 time=0.801 ms
64 bytes from 192.168.255.1: icmp_req=424 ttl=64 time=0.910 ms
64 bytes from 192.168.255.1: icmp_req=426 ttl=64 time=0.848 ms
64 bytes from 192.168.255.1: icmp_req=431 ttl=64 time=2.04 ms
64 bytes from 192.168.255.1: icmp_req=432 ttl=64 time=0.851 ms
64 bytes from 192.168.255.1: icmp_req=433 ttl=64 time=0.809 ms
64 bytes from 192.168.255.1: icmp_req=434 ttl=64 time=0.816 ms
64 bytes from 192.168.255.1: icmp_req=438 ttl=64 time=0.821 ms
64 bytes from 192.168.255.1: icmp_req=440 ttl=64 time=0.795 ms
64 bytes from 192.168.255.1: icmp_req=444 ttl=64 time=0.811 ms
64 bytes from 192.168.255.1: icmp_req=445 ttl=64 time=0.797 ms
64 bytes from 192.168.255.1: icmp_req=447 ttl=64 time=0.798 ms
64 bytes from 192.168.255.1: icmp_req=448 ttl=64 time=0.842 ms
64 bytes from 192.168.255.1: icmp_req=449 ttl=64 time=0.846 ms
64 bytes from 192.168.255.1: icmp_req=452 ttl=64 time=0.829 ms
64 bytes from 192.168.255.1: icmp_req=454 ttl=64 time=0.885 ms
64 bytes from 192.168.255.1: icmp_req=456 ttl=64 time=0.866 ms
64 bytes from 192.168.255.1: icmp_req=457 ttl=64 time=0.844 ms
64 bytes from 192.168.255.1: icmp_req=458 ttl=64 time=0.816 ms
64 bytes from 192.168.255.1: icmp_req=462 ttl=64 time=0.857 ms
64 bytes from 192.168.255.1: icmp_req=468 ttl=64 time=0.758 ms
64 bytes from 192.168.255.1: icmp_req=469 ttl=64 time=0.799 ms
64 bytes from 192.168.255.1: icmp_req=470 ttl=64 time=0.771 ms
64 bytes from 192.168.255.1: icmp_req=471 ttl=64 time=0.805 ms
64 bytes from 192.168.255.1: icmp_req=472 ttl=64 time=0.790 ms
64 bytes from 192.168.255.1: icmp_req=474 ttl=64 time=0.800 ms
64 bytes from 192.168.255.1: icmp_req=475 ttl=64 time=0.830 ms
64 bytes from 192.168.255.1: icmp_req=477 ttl=64 time=0.792 ms
64 bytes from 192.168.255.1: icmp_req=478 ttl=64 time=0.787 ms
64 bytes from 192.168.255.1: icmp_req=484 ttl=64 time=0.813 ms
64 bytes from 192.168.255.1: icmp_req=486 ttl=64 time=0.859 ms
64 bytes from 192.168.255.1: icmp_req=489 ttl=64 time=0.826 ms
64 bytes from 192.168.255.1: icmp_req=494 ttl=64 time=0.787 ms
64 bytes from 192.168.255.1: icmp_req=501 ttl=64 time=0.869 ms
64 bytes from 192.168.255.1: icmp_req=502 ttl=64 time=0.850 ms
64 bytes from 192.168.255.1: icmp_req=504 ttl=64 time=0.780 ms

64 bytes from 192.168.255.1: icmp_req=510 ttl=64 time=0.853 ms
64 bytes from 192.168.255.1: icmp_req=511 ttl=64 time=0.902 ms
64 bytes from 192.168.255.1: icmp_req=512 ttl=64 time=0.868 ms
64 bytes from 192.168.255.1: icmp_req=514 ttl=64 time=0.781 ms
64 bytes from 192.168.255.1: icmp_req=517 ttl=64 time=0.802 ms
64 bytes from 192.168.255.1: icmp_req=518 ttl=64 time=0.787 ms
64 bytes from 192.168.255.1: icmp_req=519 ttl=64 time=0.859 ms
64 bytes from 192.168.255.1: icmp_req=520 ttl=64 time=0.821 ms
64 bytes from 192.168.255.1: icmp_req=521 ttl=64 time=0.825 ms
64 bytes from 192.168.255.1: icmp_req=522 ttl=64 time=0.813 ms
64 bytes from 192.168.255.1: icmp_req=523 ttl=64 time=0.809 ms
64 bytes from 192.168.255.1: icmp_req=524 ttl=64 time=0.868 ms
64 bytes from 192.168.255.1: icmp_req=525 ttl=64 time=0.826 ms
64 bytes from 192.168.255.1: icmp_req=526 ttl=64 time=0.801 ms
64 bytes from 192.168.255.1: icmp_req=528 ttl=64 time=0.830 ms
64 bytes from 192.168.255.1: icmp_req=531 ttl=64 time=0.811 ms
64 bytes from 192.168.255.1: icmp_req=534 ttl=64 time=0.867 ms
64 bytes from 192.168.255.1: icmp_req=538 ttl=64 time=0.820 ms
64 bytes from 192.168.255.1: icmp_req=539 ttl=64 time=0.844 ms
64 bytes from 192.168.255.1: icmp_req=542 ttl=64 time=0.852 ms
64 bytes from 192.168.255.1: icmp_req=543 ttl=64 time=0.813 ms
64 bytes from 192.168.255.1: icmp_req=544 ttl=64 time=0.831 ms
64 bytes from 192.168.255.1: icmp_req=545 ttl=64 time=0.850 ms
64 bytes from 192.168.255.1: icmp_req=547 ttl=64 time=4.59 ms
64 bytes from 192.168.255.1: icmp_req=550 ttl=64 time=0.765 ms
64 bytes from 192.168.255.1: icmp_req=553 ttl=64 time=0.833 ms
64 bytes from 192.168.255.1: icmp_req=558 ttl=64 time=0.815 ms
64 bytes from 192.168.255.1: icmp_req=563 ttl=64 time=0.857 ms
64 bytes from 192.168.255.1: icmp_req=565 ttl=64 time=0.850 ms
64 bytes from 192.168.255.1: icmp_req=567 ttl=64 time=0.867 ms
64 bytes from 192.168.255.1: icmp_req=568 ttl=64 time=0.820 ms
64 bytes from 192.168.255.1: icmp_req=569 ttl=64 time=0.871 ms
64 bytes from 192.168.255.1: icmp_req=571 ttl=64 time=0.774 ms
64 bytes from 192.168.255.1: icmp_req=575 ttl=64 time=0.845 ms
64 bytes from 192.168.255.1: icmp_req=578 ttl=64 time=0.846 ms
64 bytes from 192.168.255.1: icmp_req=579 ttl=64 time=0.835 ms
64 bytes from 192.168.255.1: icmp_req=582 ttl=64 time=0.813 ms
64 bytes from 192.168.255.1: icmp_req=584 ttl=64 time=0.825 ms
64 bytes from 192.168.255.1: icmp_req=585 ttl=64 time=0.877 ms
64 bytes from 192.168.255.1: icmp_req=588 ttl=64 time=0.832 ms
64 bytes from 192.168.255.1: icmp_req=589 ttl=64 time=0.838 ms
64 bytes from 192.168.255.1: icmp_req=592 ttl=64 time=0.836 ms
64 bytes from 192.168.255.1: icmp_req=593 ttl=64 time=0.878 ms
64 bytes from 192.168.255.1: icmp_req=597 ttl=64 time=0.826 ms
64 bytes from 192.168.255.1: icmp_req=598 ttl=64 time=0.823 ms
64 bytes from 192.168.255.1: icmp_req=600 ttl=64 time=0.827 ms
64 bytes from 192.168.255.1: icmp_req=602 ttl=64 time=0.803 ms
64 bytes from 192.168.255.1: icmp_req=604 ttl=64 time=0.784 ms
64 bytes from 192.168.255.1: icmp_req=615 ttl=64 time=0.850 ms
64 bytes from 192.168.255.1: icmp_req=616 ttl=64 time=0.817 ms
64 bytes from 192.168.255.1: icmp_req=620 ttl=64 time=0.863 ms
64 bytes from 192.168.255.1: icmp_req=621 ttl=64 time=0.853 ms
64 bytes from 192.168.255.1: icmp_req=625 ttl=64 time=0.849 ms
64 bytes from 192.168.255.1: icmp_req=628 ttl=64 time=0.843 ms
64 bytes from 192.168.255.1: icmp_req=631 ttl=64 time=0.848 ms
64 bytes from 192.168.255.1: icmp_req=632 ttl=64 time=0.793 ms
64 bytes from 192.168.255.1: icmp_req=633 ttl=64 time=0.821 ms

```
64 bytes from 192.168.255.1: icmp_req=636 ttl=64 time=0.820 ms
64 bytes from 192.168.255.1: icmp_req=640 ttl=64 time=0.820 ms
64 bytes from 192.168.255.1: icmp_req=642 ttl=64 time=0.857 ms
64 bytes from 192.168.255.1: icmp_req=643 ttl=64 time=0.836 ms
64 bytes from 192.168.255.1: icmp_req=646 ttl=64 time=0.859 ms
64 bytes from 192.168.255.1: icmp_req=647 ttl=64 time=0.823 ms
64 bytes from 192.168.255.1: icmp_req=649 ttl=64 time=0.764 ms
64 bytes from 192.168.255.1: icmp_req=652 ttl=64 time=0.831 ms
64 bytes from 192.168.255.1: icmp_req=654 ttl=64 time=0.854 ms
64 bytes from 192.168.255.1: icmp_req=657 ttl=64 time=0.802 ms
```

```
--- 192.168.255.1 ping statistics ---
```

```
659 packets transmitted, 292 received, 55% packet loss, time
658238ms
```

```
rtt min/avg/max/mdev = 0.705/0.859/5.607/0.363 ms
```

Liite 5. Laboratoriokokeen tulostiedostot: control\synflood2.txt

```
PING 192.168.255.1 (192.168.255.1) 56(84) bytes of data.
64 bytes from 192.168.255.1: icmp_req=4 ttl=64 time=0.618 ms
64 bytes from 192.168.255.1: icmp_req=8 ttl=64 time=0.632 ms
64 bytes from 192.168.255.1: icmp_req=10 ttl=64 time=0.609 ms
64 bytes from 192.168.255.1: icmp_req=17 ttl=64 time=0.655 ms
64 bytes from 192.168.255.1: icmp_req=18 ttl=64 time=0.671 ms
64 bytes from 192.168.255.1: icmp_req=20 ttl=64 time=0.648 ms
64 bytes from 192.168.255.1: icmp_req=21 ttl=64 time=0.646 ms
64 bytes from 192.168.255.1: icmp_req=22 ttl=64 time=0.641 ms
64 bytes from 192.168.255.1: icmp_req=23 ttl=64 time=0.705 ms
64 bytes from 192.168.255.1: icmp_req=28 ttl=64 time=0.660 ms
64 bytes from 192.168.255.1: icmp_req=30 ttl=64 time=0.681 ms
64 bytes from 192.168.255.1: icmp_req=31 ttl=64 time=0.712 ms
64 bytes from 192.168.255.1: icmp_req=40 ttl=64 time=0.662 ms
64 bytes from 192.168.255.1: icmp_req=44 ttl=64 time=0.679 ms
64 bytes from 192.168.255.1: icmp_req=46 ttl=64 time=0.649 ms
64 bytes from 192.168.255.1: icmp_req=48 ttl=64 time=0.681 ms
64 bytes from 192.168.255.1: icmp_req=50 ttl=64 time=0.659 ms
64 bytes from 192.168.255.1: icmp_req=57 ttl=64 time=0.636 ms
64 bytes from 192.168.255.1: icmp_req=65 ttl=64 time=0.615 ms
64 bytes from 192.168.255.1: icmp_req=67 ttl=64 time=0.622 ms
64 bytes from 192.168.255.1: icmp_req=70 ttl=64 time=0.630 ms
64 bytes from 192.168.255.1: icmp_req=71 ttl=64 time=0.654 ms
64 bytes from 192.168.255.1: icmp_req=72 ttl=64 time=0.626 ms
64 bytes from 192.168.255.1: icmp_req=75 ttl=64 time=0.614 ms
64 bytes from 192.168.255.1: icmp_req=87 ttl=64 time=0.625 ms
64 bytes from 192.168.255.1: icmp_req=88 ttl=64 time=0.665 ms
64 bytes from 192.168.255.1: icmp_req=89 ttl=64 time=0.671 ms
64 bytes from 192.168.255.1: icmp_req=95 ttl=64 time=0.656 ms
64 bytes from 192.168.255.1: icmp_req=99 ttl=64 time=0.672 ms
64 bytes from 192.168.255.1: icmp_req=103 ttl=64 time=0.653 ms
64 bytes from 192.168.255.1: icmp_req=105 ttl=64 time=0.666 ms
64 bytes from 192.168.255.1: icmp_req=108 ttl=64 time=0.620 ms
64 bytes from 192.168.255.1: icmp_req=112 ttl=64 time=0.637 ms
64 bytes from 192.168.255.1: icmp_req=117 ttl=64 time=0.677 ms
64 bytes from 192.168.255.1: icmp_req=123 ttl=64 time=0.687 ms
64 bytes from 192.168.255.1: icmp_req=124 ttl=64 time=0.642 ms
64 bytes from 192.168.255.1: icmp_req=128 ttl=64 time=0.619 ms
64 bytes from 192.168.255.1: icmp_req=131 ttl=64 time=0.654 ms
64 bytes from 192.168.255.1: icmp_req=132 ttl=64 time=0.663 ms
64 bytes from 192.168.255.1: icmp_req=144 ttl=64 time=0.666 ms
64 bytes from 192.168.255.1: icmp_req=145 ttl=64 time=0.623 ms
64 bytes from 192.168.255.1: icmp_req=159 ttl=64 time=0.611 ms
64 bytes from 192.168.255.1: icmp_req=163 ttl=64 time=0.639 ms
64 bytes from 192.168.255.1: icmp_req=167 ttl=64 time=0.626 ms
64 bytes from 192.168.255.1: icmp_req=168 ttl=64 time=0.689 ms
64 bytes from 192.168.255.1: icmp_req=170 ttl=64 time=0.649 ms
64 bytes from 192.168.255.1: icmp_req=173 ttl=64 time=0.633 ms
64 bytes from 192.168.255.1: icmp_req=174 ttl=64 time=0.638 ms
64 bytes from 192.168.255.1: icmp_req=175 ttl=64 time=0.667 ms
64 bytes from 192.168.255.1: icmp_req=184 ttl=64 time=0.667 ms
64 bytes from 192.168.255.1: icmp_req=185 ttl=64 time=0.672 ms
64 bytes from 192.168.255.1: icmp_req=189 ttl=64 time=0.601 ms
64 bytes from 192.168.255.1: icmp_req=191 ttl=64 time=0.628 ms
64 bytes from 192.168.255.1: icmp_req=192 ttl=64 time=0.621 ms
```


[illegible]

64 bytes from 192.168.255.1: icmp_req=375 ttl=64 time=0.676 ms
64 bytes from 192.168.255.1: icmp_req=376 ttl=64 time=0.700 ms
64 bytes from 192.168.255.1: icmp_req=378 ttl=64 time=0.611 ms
64 bytes from 192.168.255.1: icmp_req=379 ttl=64 time=0.612 ms
64 bytes from 192.168.255.1: icmp_req=383 ttl=64 time=0.680 ms
64 bytes from 192.168.255.1: icmp_req=394 ttl=64 time=0.669 ms
64 bytes from 192.168.255.1: icmp_req=396 ttl=64 time=0.687 ms
64 bytes from 192.168.255.1: icmp_req=398 ttl=64 time=0.684 ms
64 bytes from 192.168.255.1: icmp_req=402 ttl=64 time=0.672 ms
64 bytes from 192.168.255.1: icmp_req=408 ttl=64 time=0.670 ms
64 bytes from 192.168.255.1: icmp_req=411 ttl=64 time=0.627 ms
64 bytes from 192.168.255.1: icmp_req=412 ttl=64 time=0.606 ms
64 bytes from 192.168.255.1: icmp_req=413 ttl=64 time=0.642 ms
64 bytes from 192.168.255.1: icmp_req=415 ttl=64 time=0.655 ms
64 bytes from 192.168.255.1: icmp_req=416 ttl=64 time=0.713 ms
64 bytes from 192.168.255.1: icmp_req=420 ttl=64 time=0.671 ms
64 bytes from 192.168.255.1: icmp_req=427 ttl=64 time=0.622 ms
64 bytes from 192.168.255.1: icmp_req=428 ttl=64 time=0.657 ms
64 bytes from 192.168.255.1: icmp_req=431 ttl=64 time=0.637 ms
64 bytes from 192.168.255.1: icmp_req=433 ttl=64 time=0.677 ms
64 bytes from 192.168.255.1: icmp_req=435 ttl=64 time=0.666 ms
64 bytes from 192.168.255.1: icmp_req=442 ttl=64 time=0.691 ms
64 bytes from 192.168.255.1: icmp_req=444 ttl=64 time=0.666 ms
64 bytes from 192.168.255.1: icmp_req=450 ttl=64 time=0.647 ms
64 bytes from 192.168.255.1: icmp_req=451 ttl=64 time=0.644 ms
64 bytes from 192.168.255.1: icmp_req=453 ttl=64 time=0.625 ms
64 bytes from 192.168.255.1: icmp_req=454 ttl=64 time=0.669 ms
64 bytes from 192.168.255.1: icmp_req=460 ttl=64 time=0.634 ms
64 bytes from 192.168.255.1: icmp_req=461 ttl=64 time=0.639 ms
64 bytes from 192.168.255.1: icmp_req=465 ttl=64 time=0.663 ms
64 bytes from 192.168.255.1: icmp_req=467 ttl=64 time=0.625 ms
64 bytes from 192.168.255.1: icmp_req=473 ttl=64 time=0.670 ms
64 bytes from 192.168.255.1: icmp_req=477 ttl=64 time=0.680 ms
64 bytes from 192.168.255.1: icmp_req=485 ttl=64 time=0.663 ms
64 bytes from 192.168.255.1: icmp_req=491 ttl=64 time=0.679 ms
64 bytes from 192.168.255.1: icmp_req=493 ttl=64 time=0.689 ms
64 bytes from 192.168.255.1: icmp_req=496 ttl=64 time=0.654 ms
64 bytes from 192.168.255.1: icmp_req=499 ttl=64 time=0.716 ms
64 bytes from 192.168.255.1: icmp_req=503 ttl=64 time=0.609 ms
64 bytes from 192.168.255.1: icmp_req=506 ttl=64 time=0.671 ms
64 bytes from 192.168.255.1: icmp_req=507 ttl=64 time=0.663 ms
64 bytes from 192.168.255.1: icmp_req=508 ttl=64 time=0.619 ms
64 bytes from 192.168.255.1: icmp_req=509 ttl=64 time=0.665 ms
64 bytes from 192.168.255.1: icmp_req=510 ttl=64 time=0.628 ms
64 bytes from 192.168.255.1: icmp_req=516 ttl=64 time=0.680 ms
64 bytes from 192.168.255.1: icmp_req=517 ttl=64 time=0.696 ms
64 bytes from 192.168.255.1: icmp_req=520 ttl=64 time=0.633 ms
64 bytes from 192.168.255.1: icmp_req=525 ttl=64 time=0.710 ms
64 bytes from 192.168.255.1: icmp_req=529 ttl=64 time=0.669 ms
64 bytes from 192.168.255.1: icmp_req=530 ttl=64 time=0.637 ms
64 bytes from 192.168.255.1: icmp_req=540 ttl=64 time=0.678 ms
64 bytes from 192.168.255.1: icmp_req=542 ttl=64 time=0.699 ms
64 bytes from 192.168.255.1: icmp_req=543 ttl=64 time=0.701 ms
64 bytes from 192.168.255.1: icmp_req=557 ttl=64 time=0.658 ms
64 bytes from 192.168.255.1: icmp_req=558 ttl=64 time=0.613 ms
64 bytes from 192.168.255.1: icmp_req=562 ttl=64 time=0.684 ms
64 bytes from 192.168.255.1: icmp_req=563 ttl=64 time=0.643 ms

[illegible]

```
64 bytes from 192.168.255.1: icmp_req=759 ttl=64 time=0.705 ms
64 bytes from 192.168.255.1: icmp_req=761 ttl=64 time=0.671 ms

--- 192.168.255.1 ping statistics ---
763 packets transmitted, 227 received, 70% packet loss, time
762474ms
rtt min/avg/max/mdev = 0.587/0.657/0.726/0.029 ms
```

Liite 6. Laboratoriokokeen tulostiedostot: control\udpflood1.txt

```
PING 192.168.255.1 (192.168.255.1) 56(84) bytes of data.  
64 bytes from 192.168.255.1: icmp_req=1 ttl=64 time=0.132 ms  
64 bytes from 192.168.255.1: icmp_req=2 ttl=64 time=0.195 ms  
64 bytes from 192.168.255.1: icmp_req=3 ttl=64 time=0.108 ms  
64 bytes from 192.168.255.1: icmp_req=4 ttl=64 time=0.107 ms  
64 bytes from 192.168.255.1: icmp_req=5 ttl=64 time=0.094 ms  
64 bytes from 192.168.255.1: icmp_req=6 ttl=64 time=0.204 ms  
64 bytes from 192.168.255.1: icmp_req=7 ttl=64 time=0.092 ms  
64 bytes from 192.168.255.1: icmp_req=8 ttl=64 time=0.115 ms  
64 bytes from 192.168.255.1: icmp_req=9 ttl=64 time=0.097 ms  
64 bytes from 192.168.255.1: icmp_req=10 ttl=64 time=0.112 ms  
64 bytes from 192.168.255.1: icmp_req=11 ttl=64 time=0.100 ms  
64 bytes from 192.168.255.1: icmp_req=12 ttl=64 time=0.118 ms  
64 bytes from 192.168.255.1: icmp_req=13 ttl=64 time=0.101 ms  
64 bytes from 192.168.255.1: icmp_req=14 ttl=64 time=0.104 ms  
64 bytes from 192.168.255.1: icmp_req=15 ttl=64 time=0.093 ms  
64 bytes from 192.168.255.1: icmp_req=16 ttl=64 time=0.089 ms  
64 bytes from 192.168.255.1: icmp_req=17 ttl=64 time=0.107 ms  
64 bytes from 192.168.255.1: icmp_req=18 ttl=64 time=0.078 ms  
64 bytes from 192.168.255.1: icmp_req=19 ttl=64 time=0.126 ms  
64 bytes from 192.168.255.1: icmp_req=20 ttl=64 time=0.085 ms  
64 bytes from 192.168.255.1: icmp_req=21 ttl=64 time=0.110 ms  
64 bytes from 192.168.255.1: icmp_req=22 ttl=64 time=0.094 ms  
64 bytes from 192.168.255.1: icmp_req=23 ttl=64 time=0.061 ms  
64 bytes from 192.168.255.1: icmp_req=24 ttl=64 time=0.197 ms  
64 bytes from 192.168.255.1: icmp_req=25 ttl=64 time=0.082 ms  
64 bytes from 192.168.255.1: icmp_req=26 ttl=64 time=0.143 ms  
64 bytes from 192.168.255.1: icmp_req=27 ttl=64 time=0.150 ms  
64 bytes from 192.168.255.1: icmp_req=28 ttl=64 time=0.098 ms  
64 bytes from 192.168.255.1: icmp_req=29 ttl=64 time=0.148 ms  
64 bytes from 192.168.255.1: icmp_req=30 ttl=64 time=0.075 ms  
64 bytes from 192.168.255.1: icmp_req=31 ttl=64 time=0.126 ms  
64 bytes from 192.168.255.1: icmp_req=32 ttl=64 time=0.082 ms  
64 bytes from 192.168.255.1: icmp_req=33 ttl=64 time=0.172 ms  
64 bytes from 192.168.255.1: icmp_req=34 ttl=64 time=0.088 ms  
64 bytes from 192.168.255.1: icmp_req=35 ttl=64 time=0.144 ms  
64 bytes from 192.168.255.1: icmp_req=36 ttl=64 time=0.111 ms  
64 bytes from 192.168.255.1: icmp_req=37 ttl=64 time=0.060 ms  
64 bytes from 192.168.255.1: icmp_req=38 ttl=64 time=0.179 ms  
64 bytes from 192.168.255.1: icmp_req=39 ttl=64 time=0.090 ms  
64 bytes from 192.168.255.1: icmp_req=40 ttl=64 time=0.182 ms  
64 bytes from 192.168.255.1: icmp_req=41 ttl=64 time=0.135 ms  
64 bytes from 192.168.255.1: icmp_req=42 ttl=64 time=0.115 ms  
64 bytes from 192.168.255.1: icmp_req=43 ttl=64 time=0.093 ms  
64 bytes from 192.168.255.1: icmp_req=44 ttl=64 time=0.119 ms  
64 bytes from 192.168.255.1: icmp_req=45 ttl=64 time=0.085 ms  
64 bytes from 192.168.255.1: icmp_req=46 ttl=64 time=0.197 ms  
64 bytes from 192.168.255.1: icmp_req=47 ttl=64 time=0.152 ms  
64 bytes from 192.168.255.1: icmp_req=48 ttl=64 time=0.114 ms  
64 bytes from 192.168.255.1: icmp_req=49 ttl=64 time=0.156 ms  
64 bytes from 192.168.255.1: icmp_req=50 ttl=64 time=0.113 ms  
64 bytes from 192.168.255.1: icmp_req=51 ttl=64 time=0.138 ms  
64 bytes from 192.168.255.1: icmp_req=52 ttl=64 time=0.114 ms  
64 bytes from 192.168.255.1: icmp_req=53 ttl=64 time=0.094 ms  
64 bytes from 192.168.255.1: icmp_req=54 ttl=64 time=0.096 ms
```

64 bytes from 192.168.255.1: icmp_req=55 ttl=64 time=0.059 ms
64 bytes from 192.168.255.1: icmp_req=56 ttl=64 time=0.167 ms
64 bytes from 192.168.255.1: icmp_req=57 ttl=64 time=0.100 ms
64 bytes from 192.168.255.1: icmp_req=58 ttl=64 time=0.113 ms
64 bytes from 192.168.255.1: icmp_req=59 ttl=64 time=0.083 ms
64 bytes from 192.168.255.1: icmp_req=60 ttl=64 time=0.111 ms
64 bytes from 192.168.255.1: icmp_req=61 ttl=64 time=0.120 ms
64 bytes from 192.168.255.1: icmp_req=62 ttl=64 time=0.112 ms
64 bytes from 192.168.255.1: icmp_req=63 ttl=64 time=0.165 ms
64 bytes from 192.168.255.1: icmp_req=64 ttl=64 time=0.108 ms
64 bytes from 192.168.255.1: icmp_req=65 ttl=64 time=0.136 ms
64 bytes from 192.168.255.1: icmp_req=66 ttl=64 time=0.118 ms
64 bytes from 192.168.255.1: icmp_req=67 ttl=64 time=0.165 ms
64 bytes from 192.168.255.1: icmp_req=68 ttl=64 time=0.082 ms
64 bytes from 192.168.255.1: icmp_req=69 ttl=64 time=0.099 ms
64 bytes from 192.168.255.1: icmp_req=70 ttl=64 time=0.107 ms
64 bytes from 192.168.255.1: icmp_req=71 ttl=64 time=0.154 ms
64 bytes from 192.168.255.1: icmp_req=72 ttl=64 time=0.108 ms
64 bytes from 192.168.255.1: icmp_req=73 ttl=64 time=0.144 ms
64 bytes from 192.168.255.1: icmp_req=74 ttl=64 time=0.101 ms
64 bytes from 192.168.255.1: icmp_req=75 ttl=64 time=0.121 ms
64 bytes from 192.168.255.1: icmp_req=76 ttl=64 time=0.079 ms
64 bytes from 192.168.255.1: icmp_req=77 ttl=64 time=0.100 ms
64 bytes from 192.168.255.1: icmp_req=78 ttl=64 time=0.114 ms
64 bytes from 192.168.255.1: icmp_req=79 ttl=64 time=0.100 ms
64 bytes from 192.168.255.1: icmp_req=80 ttl=64 time=0.110 ms
64 bytes from 192.168.255.1: icmp_req=81 ttl=64 time=0.090 ms
64 bytes from 192.168.255.1: icmp_req=82 ttl=64 time=0.114 ms
64 bytes from 192.168.255.1: icmp_req=83 ttl=64 time=0.085 ms
64 bytes from 192.168.255.1: icmp_req=84 ttl=64 time=0.113 ms
64 bytes from 192.168.255.1: icmp_req=85 ttl=64 time=0.090 ms
64 bytes from 192.168.255.1: icmp_req=86 ttl=64 time=0.112 ms
64 bytes from 192.168.255.1: icmp_req=87 ttl=64 time=0.096 ms
64 bytes from 192.168.255.1: icmp_req=88 ttl=64 time=0.102 ms
64 bytes from 192.168.255.1: icmp_req=89 ttl=64 time=0.174 ms
64 bytes from 192.168.255.1: icmp_req=90 ttl=64 time=0.119 ms
64 bytes from 192.168.255.1: icmp_req=91 ttl=64 time=0.170 ms
64 bytes from 192.168.255.1: icmp_req=92 ttl=64 time=0.149 ms
64 bytes from 192.168.255.1: icmp_req=93 ttl=64 time=0.149 ms
64 bytes from 192.168.255.1: icmp_req=94 ttl=64 time=0.104 ms
64 bytes from 192.168.255.1: icmp_req=95 ttl=64 time=0.081 ms
64 bytes from 192.168.255.1: icmp_req=96 ttl=64 time=0.139 ms
64 bytes from 192.168.255.1: icmp_req=97 ttl=64 time=0.159 ms
64 bytes from 192.168.255.1: icmp_req=98 ttl=64 time=0.118 ms
64 bytes from 192.168.255.1: icmp_req=99 ttl=64 time=0.155 ms
64 bytes from 192.168.255.1: icmp_req=100 ttl=64 time=0.206 ms
64 bytes from 192.168.255.1: icmp_req=101 ttl=64 time=0.112 ms
64 bytes from 192.168.255.1: icmp_req=102 ttl=64 time=0.231 ms
64 bytes from 192.168.255.1: icmp_req=103 ttl=64 time=0.152 ms
64 bytes from 192.168.255.1: icmp_req=104 ttl=64 time=0.156 ms
64 bytes from 192.168.255.1: icmp_req=105 ttl=64 time=0.084 ms
64 bytes from 192.168.255.1: icmp_req=106 ttl=64 time=0.114 ms
64 bytes from 192.168.255.1: icmp_req=107 ttl=64 time=0.137 ms
64 bytes from 192.168.255.1: icmp_req=108 ttl=64 time=0.132 ms
64 bytes from 192.168.255.1: icmp_req=109 ttl=64 time=0.110 ms
64 bytes from 192.168.255.1: icmp_req=110 ttl=64 time=0.080 ms
64 bytes from 192.168.255.1: icmp_req=111 ttl=64 time=0.157 ms

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[illegible]

[illegible]

```
64 bytes from 192.168.255.1: icmp_req=283 ttl=64 time=0.071 ms
64 bytes from 192.168.255.1: icmp_req=284 ttl=64 time=0.147 ms
64 bytes from 192.168.255.1: icmp_req=285 ttl=64 time=0.097 ms
64 bytes from 192.168.255.1: icmp_req=286 ttl=64 time=0.115 ms
```

```
--- 192.168.255.1 ping statistics ---
```

```
286 packets transmitted, 286 received, 0% packet loss, time
285005ms
```

```
rtt min/avg/max/mdev = 0.052/0.122/0.244/0.034 ms
```

Liite 7. Laboratoriokokeen tulostiedostot: control\udpflood2.txt

```
PING 192.168.255.1 (192.168.255.1) 56(84) bytes of data.
64 bytes from 192.168.255.1: icmp_req=4 ttl=64 time=0.798 ms
64 bytes from 192.168.255.1: icmp_req=18 ttl=64 time=0.795 ms
64 bytes from 192.168.255.1: icmp_req=26 ttl=64 time=0.646 ms
64 bytes from 192.168.255.1: icmp_req=39 ttl=64 time=0.649 ms
64 bytes from 192.168.255.1: icmp_req=47 ttl=64 time=0.730 ms
64 bytes from 192.168.255.1: icmp_req=50 ttl=64 time=0.755 ms
64 bytes from 192.168.255.1: icmp_req=55 ttl=64 time=0.627 ms
64 bytes from 192.168.255.1: icmp_req=68 ttl=64 time=0.705 ms
64 bytes from 192.168.255.1: icmp_req=71 ttl=64 time=0.767 ms
64 bytes from 192.168.255.1: icmp_req=76 ttl=64 time=0.768 ms
64 bytes from 192.168.255.1: icmp_req=79 ttl=64 time=0.804 ms
64 bytes from 192.168.255.1: icmp_req=85 ttl=64 time=0.820 ms
64 bytes from 192.168.255.1: icmp_req=92 ttl=64 time=0.765 ms
64 bytes from 192.168.255.1: icmp_req=104 ttl=64 time=0.813 ms
64 bytes from 192.168.255.1: icmp_req=110 ttl=64 time=0.865 ms
64 bytes from 192.168.255.1: icmp_req=115 ttl=64 time=0.766 ms
64 bytes from 192.168.255.1: icmp_req=117 ttl=64 time=0.808 ms
64 bytes from 192.168.255.1: icmp_req=118 ttl=64 time=0.720 ms
64 bytes from 192.168.255.1: icmp_req=119 ttl=64 time=0.827 ms
64 bytes from 192.168.255.1: icmp_req=120 ttl=64 time=0.848 ms
64 bytes from 192.168.255.1: icmp_req=122 ttl=64 time=0.644 ms
64 bytes from 192.168.255.1: icmp_req=123 ttl=64 time=0.600 ms
64 bytes from 192.168.255.1: icmp_req=126 ttl=64 time=0.817 ms
64 bytes from 192.168.255.1: icmp_req=132 ttl=64 time=0.743 ms
64 bytes from 192.168.255.1: icmp_req=135 ttl=64 time=0.771 ms
64 bytes from 192.168.255.1: icmp_req=136 ttl=64 time=0.667 ms
64 bytes from 192.168.255.1: icmp_req=138 ttl=64 time=0.769 ms
64 bytes from 192.168.255.1: icmp_req=143 ttl=64 time=0.812 ms
64 bytes from 192.168.255.1: icmp_req=152 ttl=64 time=0.768 ms
64 bytes from 192.168.255.1: icmp_req=156 ttl=64 time=0.623 ms
64 bytes from 192.168.255.1: icmp_req=167 ttl=64 time=0.717 ms
64 bytes from 192.168.255.1: icmp_req=171 ttl=64 time=0.778 ms
64 bytes from 192.168.255.1: icmp_req=182 ttl=64 time=0.811 ms
64 bytes from 192.168.255.1: icmp_req=185 ttl=64 time=0.802 ms
64 bytes from 192.168.255.1: icmp_req=193 ttl=64 time=0.805 ms
64 bytes from 192.168.255.1: icmp_req=199 ttl=64 time=0.749 ms
64 bytes from 192.168.255.1: icmp_req=211 ttl=64 time=0.723 ms
64 bytes from 192.168.255.1: icmp_req=219 ttl=64 time=0.769 ms
64 bytes from 192.168.255.1: icmp_req=242 ttl=64 time=0.660 ms
64 bytes from 192.168.255.1: icmp_req=243 ttl=64 time=0.778 ms
64 bytes from 192.168.255.1: icmp_req=253 ttl=64 time=0.666 ms
64 bytes from 192.168.255.1: icmp_req=256 ttl=64 time=0.673 ms
64 bytes from 192.168.255.1: icmp_req=257 ttl=64 time=0.616 ms
64 bytes from 192.168.255.1: icmp_req=260 ttl=64 time=0.835 ms
64 bytes from 192.168.255.1: icmp_req=262 ttl=64 time=0.671 ms
64 bytes from 192.168.255.1: icmp_req=266 ttl=64 time=0.776 ms
64 bytes from 192.168.255.1: icmp_req=277 ttl=64 time=0.775 ms
64 bytes from 192.168.255.1: icmp_req=278 ttl=64 time=0.736 ms
64 bytes from 192.168.255.1: icmp_req=279 ttl=64 time=0.810 ms
64 bytes from 192.168.255.1: icmp_req=281 ttl=64 time=0.693 ms
64 bytes from 192.168.255.1: icmp_req=282 ttl=64 time=0.870 ms
64 bytes from 192.168.255.1: icmp_req=286 ttl=64 time=0.775 ms
64 bytes from 192.168.255.1: icmp_req=289 ttl=64 time=0.712 ms
64 bytes from 192.168.255.1: icmp_req=290 ttl=64 time=0.810 ms
```

64 bytes from 192.168.255.1: icmp_req=300 ttl=64 time=0.723 ms
64 bytes from 192.168.255.1: icmp_req=303 ttl=64 time=0.688 ms
64 bytes from 192.168.255.1: icmp_req=304 ttl=64 time=0.873 ms
64 bytes from 192.168.255.1: icmp_req=315 ttl=64 time=0.612 ms
64 bytes from 192.168.255.1: icmp_req=323 ttl=64 time=0.714 ms
64 bytes from 192.168.255.1: icmp_req=328 ttl=64 time=0.702 ms
64 bytes from 192.168.255.1: icmp_req=339 ttl=64 time=0.717 ms
64 bytes from 192.168.255.1: icmp_req=343 ttl=64 time=0.651 ms
64 bytes from 192.168.255.1: icmp_req=345 ttl=64 time=0.709 ms
64 bytes from 192.168.255.1: icmp_req=350 ttl=64 time=0.798 ms
64 bytes from 192.168.255.1: icmp_req=357 ttl=64 time=0.658 ms
64 bytes from 192.168.255.1: icmp_req=376 ttl=64 time=0.706 ms
64 bytes from 192.168.255.1: icmp_req=378 ttl=64 time=0.769 ms
64 bytes from 192.168.255.1: icmp_req=398 ttl=64 time=0.639 ms
64 bytes from 192.168.255.1: icmp_req=399 ttl=64 time=0.816 ms
64 bytes from 192.168.255.1: icmp_req=418 ttl=64 time=0.718 ms
64 bytes from 192.168.255.1: icmp_req=419 ttl=64 time=0.863 ms
64 bytes from 192.168.255.1: icmp_req=426 ttl=64 time=0.741 ms
64 bytes from 192.168.255.1: icmp_req=431 ttl=64 time=0.783 ms
64 bytes from 192.168.255.1: icmp_req=433 ttl=64 time=0.792 ms
64 bytes from 192.168.255.1: icmp_req=436 ttl=64 time=0.820 ms
64 bytes from 192.168.255.1: icmp_req=445 ttl=64 time=0.787 ms
64 bytes from 192.168.255.1: icmp_req=447 ttl=64 time=0.819 ms
64 bytes from 192.168.255.1: icmp_req=451 ttl=64 time=0.716 ms
64 bytes from 192.168.255.1: icmp_req=460 ttl=64 time=0.674 ms
64 bytes from 192.168.255.1: icmp_req=462 ttl=64 time=0.775 ms
64 bytes from 192.168.255.1: icmp_req=464 ttl=64 time=0.759 ms
64 bytes from 192.168.255.1: icmp_req=465 ttl=64 time=0.719 ms
64 bytes from 192.168.255.1: icmp_req=467 ttl=64 time=0.806 ms
64 bytes from 192.168.255.1: icmp_req=477 ttl=64 time=0.658 ms
64 bytes from 192.168.255.1: icmp_req=479 ttl=64 time=0.742 ms
64 bytes from 192.168.255.1: icmp_req=490 ttl=64 time=0.768 ms
64 bytes from 192.168.255.1: icmp_req=495 ttl=64 time=0.774 ms
64 bytes from 192.168.255.1: icmp_req=497 ttl=64 time=0.664 ms
64 bytes from 192.168.255.1: icmp_req=498 ttl=64 time=0.752 ms
64 bytes from 192.168.255.1: icmp_req=505 ttl=64 time=0.699 ms
64 bytes from 192.168.255.1: icmp_req=509 ttl=64 time=0.774 ms
64 bytes from 192.168.255.1: icmp_req=516 ttl=64 time=0.667 ms
64 bytes from 192.168.255.1: icmp_req=523 ttl=64 time=0.805 ms
64 bytes from 192.168.255.1: icmp_req=525 ttl=64 time=0.822 ms
64 bytes from 192.168.255.1: icmp_req=528 ttl=64 time=0.671 ms
64 bytes from 192.168.255.1: icmp_req=536 ttl=64 time=0.858 ms
64 bytes from 192.168.255.1: icmp_req=537 ttl=64 time=0.761 ms
64 bytes from 192.168.255.1: icmp_req=544 ttl=64 time=0.668 ms
64 bytes from 192.168.255.1: icmp_req=545 ttl=64 time=0.802 ms
64 bytes from 192.168.255.1: icmp_req=549 ttl=64 time=0.746 ms
64 bytes from 192.168.255.1: icmp_req=558 ttl=64 time=0.699 ms
64 bytes from 192.168.255.1: icmp_req=560 ttl=64 time=0.789 ms
64 bytes from 192.168.255.1: icmp_req=562 ttl=64 time=0.817 ms
64 bytes from 192.168.255.1: icmp_req=564 ttl=64 time=0.630 ms
64 bytes from 192.168.255.1: icmp_req=578 ttl=64 time=0.657 ms
64 bytes from 192.168.255.1: icmp_req=586 ttl=64 time=0.691 ms
64 bytes from 192.168.255.1: icmp_req=592 ttl=64 time=0.874 ms
64 bytes from 192.168.255.1: icmp_req=595 ttl=64 time=0.801 ms
64 bytes from 192.168.255.1: icmp_req=597 ttl=64 time=0.690 ms
64 bytes from 192.168.255.1: icmp_req=600 ttl=64 time=0.655 ms
64 bytes from 192.168.255.1: icmp_req=615 ttl=64 time=0.786 ms

```
64 bytes from 192.168.255.1: icmp_req=623 ttl=64 time=0.799 ms
64 bytes from 192.168.255.1: icmp_req=631 ttl=64 time=0.648 ms
64 bytes from 192.168.255.1: icmp_req=632 ttl=64 time=0.834 ms
64 bytes from 192.168.255.1: icmp_req=643 ttl=64 time=0.639 ms
64 bytes from 192.168.255.1: icmp_req=644 ttl=64 time=0.853 ms
64 bytes from 192.168.255.1: icmp_req=645 ttl=64 time=0.693 ms
64 bytes from 192.168.255.1: icmp_req=649 ttl=64 time=0.621 ms
64 bytes from 192.168.255.1: icmp_req=653 ttl=64 time=0.753 ms
64 bytes from 192.168.255.1: icmp_req=667 ttl=64 time=0.746 ms
64 bytes from 192.168.255.1: icmp_req=669 ttl=64 time=0.656 ms
64 bytes from 192.168.255.1: icmp_req=674 ttl=64 time=0.886 ms
64 bytes from 192.168.255.1: icmp_req=689 ttl=64 time=0.766 ms
64 bytes from 192.168.255.1: icmp_req=694 ttl=64 time=0.791 ms
64 bytes from 192.168.255.1: icmp_req=707 ttl=64 time=0.685 ms
64 bytes from 192.168.255.1: icmp_req=713 ttl=64 time=0.690 ms
64 bytes from 192.168.255.1: icmp_req=723 ttl=64 time=0.766 ms
64 bytes from 192.168.255.1: icmp_req=749 ttl=64 time=0.677 ms
64 bytes from 192.168.255.1: icmp_req=750 ttl=64 time=0.814 ms
64 bytes from 192.168.255.1: icmp_req=766 ttl=64 time=0.702 ms
64 bytes from 192.168.255.1: icmp_req=770 ttl=64 time=0.795 ms
64 bytes from 192.168.255.1: icmp_req=784 ttl=64 time=0.807 ms
64 bytes from 192.168.255.1: icmp_req=787 ttl=64 time=0.797 ms
64 bytes from 192.168.255.1: icmp_req=788 ttl=64 time=0.635 ms
64 bytes from 192.168.255.1: icmp_req=793 ttl=64 time=0.733 ms
64 bytes from 192.168.255.1: icmp_req=798 ttl=64 time=0.836 ms
64 bytes from 192.168.255.1: icmp_req=811 ttl=64 time=0.651 ms
64 bytes from 192.168.255.1: icmp_req=817 ttl=64 time=0.865 ms
64 bytes from 192.168.255.1: icmp_req=824 ttl=64 time=0.730 ms
```

--- 192.168.255.1 ping statistics ---

825 packets transmitted, 139 received, 83% packet loss, time
824749ms

rtt min/avg/max/mdev = 0.600/0.745/0.886/0.075 ms

Liite 8. Laboratoriokokeen tulostiedostot: control\icmpflood1.txt

```
PING 192.168.255.1 (192.168.255.1) 56(84) bytes of data.  
64 bytes from 192.168.255.1: icmp_req=1 ttl=64 time=0.635 ms  
64 bytes from 192.168.255.1: icmp_req=2 ttl=64 time=0.666 ms  
64 bytes from 192.168.255.1: icmp_req=3 ttl=64 time=0.618 ms  
64 bytes from 192.168.255.1: icmp_req=4 ttl=64 time=0.651 ms  
64 bytes from 192.168.255.1: icmp_req=5 ttl=64 time=0.633 ms  
64 bytes from 192.168.255.1: icmp_req=6 ttl=64 time=0.600 ms  
64 bytes from 192.168.255.1: icmp_req=7 ttl=64 time=0.620 ms  
64 bytes from 192.168.255.1: icmp_req=9 ttl=64 time=0.574 ms  
64 bytes from 192.168.255.1: icmp_req=10 ttl=64 time=0.628 ms  
64 bytes from 192.168.255.1: icmp_req=11 ttl=64 time=0.611 ms  
64 bytes from 192.168.255.1: icmp_req=12 ttl=64 time=0.605 ms  
64 bytes from 192.168.255.1: icmp_req=13 ttl=64 time=0.577 ms  
64 bytes from 192.168.255.1: icmp_req=14 ttl=64 time=0.604 ms  
64 bytes from 192.168.255.1: icmp_req=15 ttl=64 time=0.570 ms  
64 bytes from 192.168.255.1: icmp_req=16 ttl=64 time=0.602 ms  
64 bytes from 192.168.255.1: icmp_req=17 ttl=64 time=0.592 ms  
64 bytes from 192.168.255.1: icmp_req=18 ttl=64 time=0.641 ms  
64 bytes from 192.168.255.1: icmp_req=20 ttl=64 time=0.638 ms  
64 bytes from 192.168.255.1: icmp_req=21 ttl=64 time=0.614 ms  
64 bytes from 192.168.255.1: icmp_req=23 ttl=64 time=0.614 ms  
64 bytes from 192.168.255.1: icmp_req=25 ttl=64 time=0.622 ms  
64 bytes from 192.168.255.1: icmp_req=27 ttl=64 time=0.608 ms  
64 bytes from 192.168.255.1: icmp_req=28 ttl=64 time=0.583 ms  
64 bytes from 192.168.255.1: icmp_req=29 ttl=64 time=0.595 ms  
64 bytes from 192.168.255.1: icmp_req=30 ttl=64 time=0.598 ms  
64 bytes from 192.168.255.1: icmp_req=32 ttl=64 time=0.653 ms  
64 bytes from 192.168.255.1: icmp_req=33 ttl=64 time=0.608 ms  
64 bytes from 192.168.255.1: icmp_req=35 ttl=64 time=0.570 ms  
64 bytes from 192.168.255.1: icmp_req=36 ttl=64 time=0.672 ms  
64 bytes from 192.168.255.1: icmp_req=37 ttl=64 time=0.599 ms  
64 bytes from 192.168.255.1: icmp_req=38 ttl=64 time=0.631 ms  
64 bytes from 192.168.255.1: icmp_req=39 ttl=64 time=0.572 ms  
64 bytes from 192.168.255.1: icmp_req=40 ttl=64 time=0.598 ms  
64 bytes from 192.168.255.1: icmp_req=41 ttl=64 time=0.628 ms  
64 bytes from 192.168.255.1: icmp_req=42 ttl=64 time=0.649 ms  
64 bytes from 192.168.255.1: icmp_req=43 ttl=64 time=0.528 ms  
64 bytes from 192.168.255.1: icmp_req=44 ttl=64 time=0.622 ms  
64 bytes from 192.168.255.1: icmp_req=45 ttl=64 time=0.601 ms  
64 bytes from 192.168.255.1: icmp_req=46 ttl=64 time=0.638 ms  
64 bytes from 192.168.255.1: icmp_req=47 ttl=64 time=0.602 ms  
64 bytes from 192.168.255.1: icmp_req=50 ttl=64 time=0.600 ms  
64 bytes from 192.168.255.1: icmp_req=51 ttl=64 time=0.611 ms  
64 bytes from 192.168.255.1: icmp_req=52 ttl=64 time=0.616 ms  
64 bytes from 192.168.255.1: icmp_req=53 ttl=64 time=0.554 ms  
64 bytes from 192.168.255.1: icmp_req=54 ttl=64 time=0.587 ms  
64 bytes from 192.168.255.1: icmp_req=55 ttl=64 time=0.631 ms  
64 bytes from 192.168.255.1: icmp_req=56 ttl=64 time=0.576 ms  
64 bytes from 192.168.255.1: icmp_req=57 ttl=64 time=0.574 ms  
64 bytes from 192.168.255.1: icmp_req=59 ttl=64 time=0.618 ms  
64 bytes from 192.168.255.1: icmp_req=60 ttl=64 time=0.619 ms  
64 bytes from 192.168.255.1: icmp_req=61 ttl=64 time=0.580 ms  
64 bytes from 192.168.255.1: icmp_req=62 ttl=64 time=0.631 ms  
64 bytes from 192.168.255.1: icmp_req=63 ttl=64 time=0.609 ms  
64 bytes from 192.168.255.1: icmp_req=64 ttl=64 time=0.625 ms
```

64 bytes from 192.168.255.1: icmp_req=65 ttl=64 time=0.601 ms
64 bytes from 192.168.255.1: icmp_req=66 ttl=64 time=0.610 ms
64 bytes from 192.168.255.1: icmp_req=67 ttl=64 time=0.648 ms
64 bytes from 192.168.255.1: icmp_req=68 ttl=64 time=0.605 ms
64 bytes from 192.168.255.1: icmp_req=69 ttl=64 time=0.559 ms
64 bytes from 192.168.255.1: icmp_req=70 ttl=64 time=0.587 ms
64 bytes from 192.168.255.1: icmp_req=71 ttl=64 time=0.619 ms
64 bytes from 192.168.255.1: icmp_req=73 ttl=64 time=0.597 ms
64 bytes from 192.168.255.1: icmp_req=74 ttl=64 time=0.632 ms
64 bytes from 192.168.255.1: icmp_req=75 ttl=64 time=0.599 ms
64 bytes from 192.168.255.1: icmp_req=76 ttl=64 time=0.623 ms
64 bytes from 192.168.255.1: icmp_req=77 ttl=64 time=0.619 ms
64 bytes from 192.168.255.1: icmp_req=79 ttl=64 time=0.561 ms
64 bytes from 192.168.255.1: icmp_req=81 ttl=64 time=0.577 ms
64 bytes from 192.168.255.1: icmp_req=82 ttl=64 time=0.628 ms
64 bytes from 192.168.255.1: icmp_req=83 ttl=64 time=0.632 ms
64 bytes from 192.168.255.1: icmp_req=84 ttl=64 time=0.606 ms
64 bytes from 192.168.255.1: icmp_req=85 ttl=64 time=0.626 ms
64 bytes from 192.168.255.1: icmp_req=86 ttl=64 time=0.621 ms
64 bytes from 192.168.255.1: icmp_req=88 ttl=64 time=0.619 ms
64 bytes from 192.168.255.1: icmp_req=90 ttl=64 time=0.601 ms
64 bytes from 192.168.255.1: icmp_req=91 ttl=64 time=0.617 ms
64 bytes from 192.168.255.1: icmp_req=92 ttl=64 time=0.578 ms
64 bytes from 192.168.255.1: icmp_req=93 ttl=64 time=0.646 ms
64 bytes from 192.168.255.1: icmp_req=94 ttl=64 time=0.604 ms
64 bytes from 192.168.255.1: icmp_req=95 ttl=64 time=0.603 ms
64 bytes from 192.168.255.1: icmp_req=97 ttl=64 time=0.577 ms
64 bytes from 192.168.255.1: icmp_req=98 ttl=64 time=0.642 ms
64 bytes from 192.168.255.1: icmp_req=99 ttl=64 time=0.637 ms
64 bytes from 192.168.255.1: icmp_req=100 ttl=64 time=0.604 ms
64 bytes from 192.168.255.1: icmp_req=102 ttl=64 time=0.622 ms
64 bytes from 192.168.255.1: icmp_req=103 ttl=64 time=0.594 ms
64 bytes from 192.168.255.1: icmp_req=104 ttl=64 time=0.578 ms
64 bytes from 192.168.255.1: icmp_req=105 ttl=64 time=0.604 ms
64 bytes from 192.168.255.1: icmp_req=106 ttl=64 time=0.651 ms
64 bytes from 192.168.255.1: icmp_req=107 ttl=64 time=0.603 ms
64 bytes from 192.168.255.1: icmp_req=108 ttl=64 time=0.587 ms
64 bytes from 192.168.255.1: icmp_req=109 ttl=64 time=0.567 ms
64 bytes from 192.168.255.1: icmp_req=111 ttl=64 time=0.609 ms
64 bytes from 192.168.255.1: icmp_req=112 ttl=64 time=0.559 ms
64 bytes from 192.168.255.1: icmp_req=113 ttl=64 time=0.636 ms
64 bytes from 192.168.255.1: icmp_req=114 ttl=64 time=0.622 ms
64 bytes from 192.168.255.1: icmp_req=115 ttl=64 time=0.614 ms
64 bytes from 192.168.255.1: icmp_req=117 ttl=64 time=0.577 ms
64 bytes from 192.168.255.1: icmp_req=118 ttl=64 time=0.581 ms
64 bytes from 192.168.255.1: icmp_req=120 ttl=64 time=0.555 ms
64 bytes from 192.168.255.1: icmp_req=121 ttl=64 time=0.653 ms
64 bytes from 192.168.255.1: icmp_req=122 ttl=64 time=0.538 ms
64 bytes from 192.168.255.1: icmp_req=123 ttl=64 time=0.553 ms
64 bytes from 192.168.255.1: icmp_req=124 ttl=64 time=0.544 ms
64 bytes from 192.168.255.1: icmp_req=125 ttl=64 time=0.607 ms
64 bytes from 192.168.255.1: icmp_req=127 ttl=64 time=0.608 ms
64 bytes from 192.168.255.1: icmp_req=128 ttl=64 time=0.567 ms
64 bytes from 192.168.255.1: icmp_req=129 ttl=64 time=0.669 ms
64 bytes from 192.168.255.1: icmp_req=130 ttl=64 time=0.661 ms
64 bytes from 192.168.255.1: icmp_req=131 ttl=64 time=0.634 ms
64 bytes from 192.168.255.1: icmp_req=132 ttl=64 time=0.617 ms

[illegible]

82

[illegible]

```
64 bytes from 192.168.255.1: icmp_req=324 ttl=64 time=0.585 ms
64 bytes from 192.168.255.1: icmp_req=325 ttl=64 time=0.599 ms
64 bytes from 192.168.255.1: icmp_req=326 ttl=64 time=0.613 ms
64 bytes from 192.168.255.1: icmp_req=327 ttl=64 time=0.637 ms
64 bytes from 192.168.255.1: icmp_req=328 ttl=64 time=0.567 ms
64 bytes from 192.168.255.1: icmp_req=330 ttl=64 time=0.575 ms
64 bytes from 192.168.255.1: icmp_req=331 ttl=64 time=0.609 ms
64 bytes from 192.168.255.1: icmp_req=333 ttl=64 time=0.563 ms
64 bytes from 192.168.255.1: icmp_req=334 ttl=64 time=0.618 ms
64 bytes from 192.168.255.1: icmp_req=335 ttl=64 time=0.567 ms
64 bytes from 192.168.255.1: icmp_req=336 ttl=64 time=0.619 ms
64 bytes from 192.168.255.1: icmp_req=338 ttl=64 time=0.626 ms
64 bytes from 192.168.255.1: icmp_req=339 ttl=64 time=0.625 ms
64 bytes from 192.168.255.1: icmp_req=340 ttl=64 time=0.652 ms
64 bytes from 192.168.255.1: icmp_req=341 ttl=64 time=0.649 ms
64 bytes from 192.168.255.1: icmp_req=342 ttl=64 time=0.587 ms
64 bytes from 192.168.255.1: icmp_req=343 ttl=64 time=0.568 ms
64 bytes from 192.168.255.1: icmp_req=344 ttl=64 time=0.624 ms
64 bytes from 192.168.255.1: icmp_req=345 ttl=64 time=0.639 ms
64 bytes from 192.168.255.1: icmp_req=346 ttl=64 time=0.621 ms
64 bytes from 192.168.255.1: icmp_req=347 ttl=64 time=0.587 ms
64 bytes from 192.168.255.1: icmp_req=348 ttl=64 time=0.589 ms
64 bytes from 192.168.255.1: icmp_req=349 ttl=64 time=0.606 ms
64 bytes from 192.168.255.1: icmp_req=351 ttl=64 time=0.623 ms
64 bytes from 192.168.255.1: icmp_req=352 ttl=64 time=0.590 ms
64 bytes from 192.168.255.1: icmp_req=353 ttl=64 time=0.566 ms
64 bytes from 192.168.255.1: icmp_req=354 ttl=64 time=0.606 ms
64 bytes from 192.168.255.1: icmp_req=355 ttl=64 time=0.625 ms
64 bytes from 192.168.255.1: icmp_req=357 ttl=64 time=0.615 ms
64 bytes from 192.168.255.1: icmp_req=358 ttl=64 time=0.597 ms
64 bytes from 192.168.255.1: icmp_req=359 ttl=64 time=0.616 ms
64 bytes from 192.168.255.1: icmp_req=360 ttl=64 time=0.575 ms
64 bytes from 192.168.255.1: icmp_req=361 ttl=64 time=0.639 ms
64 bytes from 192.168.255.1: icmp_req=362 ttl=64 time=0.593 ms
64 bytes from 192.168.255.1: icmp_req=363 ttl=64 time=0.577 ms
64 bytes from 192.168.255.1: icmp_req=364 ttl=64 time=0.572 ms
64 bytes from 192.168.255.1: icmp_req=365 ttl=64 time=0.563 ms
64 bytes from 192.168.255.1: icmp_req=366 ttl=64 time=0.563 ms
64 bytes from 192.168.255.1: icmp_req=367 ttl=64 time=0.644 ms
64 bytes from 192.168.255.1: icmp_req=368 ttl=64 time=0.598 ms
64 bytes from 192.168.255.1: icmp_req=369 ttl=64 time=0.575 ms
64 bytes from 192.168.255.1: icmp_req=370 ttl=64 time=0.607 ms
64 bytes from 192.168.255.1: icmp_req=371 ttl=64 time=0.610 ms
64 bytes from 192.168.255.1: icmp_req=372 ttl=64 time=0.573 ms
64 bytes from 192.168.255.1: icmp_req=374 ttl=64 time=0.614 ms
64 bytes from 192.168.255.1: icmp_req=375 ttl=64 time=0.577 ms
64 bytes from 192.168.255.1: icmp_req=376 ttl=64 time=0.581 ms
64 bytes from 192.168.255.1: icmp_req=378 ttl=64 time=0.622 ms
64 bytes from 192.168.255.1: icmp_req=379 ttl=64 time=0.570 ms
```

--- 192.168.255.1 ping statistics ---

379 packets transmitted, 331 received, 12% packet loss, time
378006ms

rtt min/avg/max/mdev = 0.528/0.603/0.672/0.028 ms

Liite 9. Laboratoriokokeen tulostiedostot: control\icmpflood2.txt

```
PING 192.168.255.1 (192.168.255.1) 56(84) bytes of data.
64 bytes from 192.168.255.1: icmp_req=1 ttl=64 time=0.608 ms
64 bytes from 192.168.255.1: icmp_req=7 ttl=64 time=1.29 ms
64 bytes from 192.168.255.1: icmp_req=8 ttl=64 time=0.936 ms
64 bytes from 192.168.255.1: icmp_req=10 ttl=64 time=0.704 ms
64 bytes from 192.168.255.1: icmp_req=16 ttl=64 time=0.737 ms
64 bytes from 192.168.255.1: icmp_req=17 ttl=64 time=0.681 ms
64 bytes from 192.168.255.1: icmp_req=22 ttl=64 time=0.708 ms
64 bytes from 192.168.255.1: icmp_req=32 ttl=64 time=1.21 ms
64 bytes from 192.168.255.1: icmp_req=39 ttl=64 time=0.873 ms
64 bytes from 192.168.255.1: icmp_req=43 ttl=64 time=0.882 ms
64 bytes from 192.168.255.1: icmp_req=45 ttl=64 time=0.858 ms
64 bytes from 192.168.255.1: icmp_req=46 ttl=64 time=1.12 ms
64 bytes from 192.168.255.1: icmp_req=47 ttl=64 time=1.01 ms
64 bytes from 192.168.255.1: icmp_req=51 ttl=64 time=0.686 ms
64 bytes from 192.168.255.1: icmp_req=53 ttl=64 time=0.687 ms
64 bytes from 192.168.255.1: icmp_req=55 ttl=64 time=0.683 ms
64 bytes from 192.168.255.1: icmp_req=60 ttl=64 time=0.718 ms
64 bytes from 192.168.255.1: icmp_req=70 ttl=64 time=1.05 ms
64 bytes from 192.168.255.1: icmp_req=75 ttl=64 time=0.835 ms
64 bytes from 192.168.255.1: icmp_req=79 ttl=64 time=0.846 ms
64 bytes from 192.168.255.1: icmp_req=93 ttl=64 time=0.907 ms
64 bytes from 192.168.255.1: icmp_req=96 ttl=64 time=0.715 ms
64 bytes from 192.168.255.1: icmp_req=101 ttl=64 time=0.799 ms
64 bytes from 192.168.255.1: icmp_req=106 ttl=64 time=0.821 ms
64 bytes from 192.168.255.1: icmp_req=113 ttl=64 time=0.702 ms
64 bytes from 192.168.255.1: icmp_req=120 ttl=64 time=1.08 ms
64 bytes from 192.168.255.1: icmp_req=129 ttl=64 time=0.662 ms
64 bytes from 192.168.255.1: icmp_req=131 ttl=64 time=1.25 ms
64 bytes from 192.168.255.1: icmp_req=132 ttl=64 time=0.816 ms
64 bytes from 192.168.255.1: icmp_req=136 ttl=64 time=0.827 ms
64 bytes from 192.168.255.1: icmp_req=144 ttl=64 time=0.665 ms
64 bytes from 192.168.255.1: icmp_req=152 ttl=64 time=0.844 ms
64 bytes from 192.168.255.1: icmp_req=160 ttl=64 time=0.745 ms
64 bytes from 192.168.255.1: icmp_req=163 ttl=64 time=0.700 ms
64 bytes from 192.168.255.1: icmp_req=168 ttl=64 time=0.686 ms
64 bytes from 192.168.255.1: icmp_req=170 ttl=64 time=1.40 ms
64 bytes from 192.168.255.1: icmp_req=178 ttl=64 time=0.719 ms
64 bytes from 192.168.255.1: icmp_req=185 ttl=64 time=0.844 ms
64 bytes from 192.168.255.1: icmp_req=189 ttl=64 time=0.738 ms
64 bytes from 192.168.255.1: icmp_req=195 ttl=64 time=0.831 ms
64 bytes from 192.168.255.1: icmp_req=203 ttl=64 time=0.748 ms
64 bytes from 192.168.255.1: icmp_req=208 ttl=64 time=0.836 ms
64 bytes from 192.168.255.1: icmp_req=213 ttl=64 time=0.888 ms
64 bytes from 192.168.255.1: icmp_req=220 ttl=64 time=0.630 ms
64 bytes from 192.168.255.1: icmp_req=225 ttl=64 time=0.682 ms
64 bytes from 192.168.255.1: icmp_req=229 ttl=64 time=0.615 ms
64 bytes from 192.168.255.1: icmp_req=231 ttl=64 time=1.35 ms
64 bytes from 192.168.255.1: icmp_req=232 ttl=64 time=1.37 ms
64 bytes from 192.168.255.1: icmp_req=238 ttl=64 time=0.771 ms
64 bytes from 192.168.255.1: icmp_req=240 ttl=64 time=0.819 ms
64 bytes from 192.168.255.1: icmp_req=243 ttl=64 time=0.809 ms
64 bytes from 192.168.255.1: icmp_req=265 ttl=64 time=0.815 ms
64 bytes from 192.168.255.1: icmp_req=273 ttl=64 time=0.719 ms
64 bytes from 192.168.255.1: icmp_req=277 ttl=64 time=0.618 ms
```

```
64 bytes from 192.168.255.1: icmp_req=280 ttl=64 time=0.779 ms
64 bytes from 192.168.255.1: icmp_req=282 ttl=64 time=0.804 ms
64 bytes from 192.168.255.1: icmp_req=283 ttl=64 time=1.30 ms
64 bytes from 192.168.255.1: icmp_req=284 ttl=64 time=0.825 ms
64 bytes from 192.168.255.1: icmp_req=290 ttl=64 time=0.726 ms
64 bytes from 192.168.255.1: icmp_req=296 ttl=64 time=0.845 ms
64 bytes from 192.168.255.1: icmp_req=297 ttl=64 time=0.617 ms
64 bytes from 192.168.255.1: icmp_req=307 ttl=64 time=0.771 ms
64 bytes from 192.168.255.1: icmp_req=311 ttl=64 time=0.824 ms
64 bytes from 192.168.255.1: icmp_req=313 ttl=64 time=0.735 ms
64 bytes from 192.168.255.1: icmp_req=319 ttl=64 time=0.737 ms
64 bytes from 192.168.255.1: icmp_req=320 ttl=64 time=0.771 ms
64 bytes from 192.168.255.1: icmp_req=328 ttl=64 time=0.656 ms
64 bytes from 192.168.255.1: icmp_req=330 ttl=64 time=0.742 ms
64 bytes from 192.168.255.1: icmp_req=334 ttl=64 time=0.737 ms
64 bytes from 192.168.255.1: icmp_req=340 ttl=64 time=0.794 ms
64 bytes from 192.168.255.1: icmp_req=344 ttl=64 time=0.801 ms
64 bytes from 192.168.255.1: icmp_req=353 ttl=64 time=1.01 ms
64 bytes from 192.168.255.1: icmp_req=358 ttl=64 time=0.718 ms
64 bytes from 192.168.255.1: icmp_req=366 ttl=64 time=0.868 ms
64 bytes from 192.168.255.1: icmp_req=367 ttl=64 time=0.746 ms
64 bytes from 192.168.255.1: icmp_req=371 ttl=64 time=0.814 ms
64 bytes from 192.168.255.1: icmp_req=375 ttl=64 time=0.739 ms
64 bytes from 192.168.255.1: icmp_req=378 ttl=64 time=0.807 ms
64 bytes from 192.168.255.1: icmp_req=388 ttl=64 time=0.750 ms
64 bytes from 192.168.255.1: icmp_req=392 ttl=64 time=0.758 ms
64 bytes from 192.168.255.1: icmp_req=401 ttl=64 time=0.797 ms
64 bytes from 192.168.255.1: icmp_req=405 ttl=64 time=0.694 ms
64 bytes from 192.168.255.1: icmp_req=408 ttl=64 time=0.659 ms
64 bytes from 192.168.255.1: icmp_req=414 ttl=64 time=0.721 ms
64 bytes from 192.168.255.1: icmp_req=423 ttl=64 time=0.823 ms
64 bytes from 192.168.255.1: icmp_req=425 ttl=64 time=0.745 ms
64 bytes from 192.168.255.1: icmp_req=428 ttl=64 time=0.774 ms
64 bytes from 192.168.255.1: icmp_req=439 ttl=64 time=0.655 ms
64 bytes from 192.168.255.1: icmp_req=441 ttl=64 time=0.866 ms
64 bytes from 192.168.255.1: icmp_req=443 ttl=64 time=0.671 ms
64 bytes from 192.168.255.1: icmp_req=453 ttl=64 time=0.708 ms
64 bytes from 192.168.255.1: icmp_req=457 ttl=64 time=0.855 ms
64 bytes from 192.168.255.1: icmp_req=458 ttl=64 time=0.825 ms
64 bytes from 192.168.255.1: icmp_req=461 ttl=64 time=0.817 ms
64 bytes from 192.168.255.1: icmp_req=463 ttl=64 time=0.590 ms
64 bytes from 192.168.255.1: icmp_req=466 ttl=64 time=0.811 ms
64 bytes from 192.168.255.1: icmp_req=470 ttl=64 time=0.626 ms
64 bytes from 192.168.255.1: icmp_req=472 ttl=64 time=0.785 ms
64 bytes from 192.168.255.1: icmp_req=474 ttl=64 time=1.09 ms
64 bytes from 192.168.255.1: icmp_req=477 ttl=64 time=0.766 ms
64 bytes from 192.168.255.1: icmp_req=486 ttl=64 time=0.809 ms
64 bytes from 192.168.255.1: icmp_req=492 ttl=64 time=0.707 ms
```

--- 192.168.255.1 ping statistics ---

496 packets transmitted, 102 received, 79% packet loss, time
496707ms

rtt min/avg/max/mdev = 0.590/0.814/1.401/0.171 ms

Liite 10. Laboratoriokokeen tulostiedostot: server\kontrolli.txt

```
top - 17:23:17 up 1:00, 3 users, load average: 0.00, 0.04, 0.19
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.4%us, 0.1%sy, 0.2%ni, 94.0%id, 0.5%wa, 0.0%hi, 4.8%si,
0.0%st
Mem: 8148056k total, 627408k used, 7520648k free, 105276k buffers
Swap: 19802108k total, 0k used, 19802108k free, 320668k cached
```

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

```
top - 17:23:20 up 1:01, 3 users, load average: 0.00, 0.04, 0.19
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.0%us, 0.1%sy, 0.0%ni, 99.9%id, 0.0%wa, 0.0%hi, 0.0%si,
0.0%st
Mem: 8148056k total, 626448k used, 7521608k free, 105276k buffers
Swap: 19802108k total, 0k used, 19802108k free, 319328k cached
```

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

```
top - 17:23:23 up 1:01, 3 users, load average: 0.00, 0.04, 0.18
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.0%us, 0.1%sy, 0.0%ni, 99.6%id, 0.3%wa, 0.0%hi, 0.0%si,
0.0%st
Mem: 8148056k total, 626448k used, 7521608k free, 105284k buffers
Swap: 19802108k total, 0k used, 19802108k free, 319328k cached
```

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

```
top - 17:23:26 up 1:01, 3 users, load average: 0.00, 0.04, 0.18
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.1%us, 0.1%sy, 0.0%ni, 99.8%id, 0.0%wa, 0.0%hi, 0.0%si,
0.0%st
Mem: 8148056k total, 626448k used, 7521608k free, 105284k buffers
Swap: 19802108k total, 0k used, 19802108k free, 319328k cached
```

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

```
top - 17:23:29 up 1:01, 3 users, load average: 0.00, 0.04, 0.18
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.0%us, 0.1%sy, 0.0%ni, 99.8%id, 0.1%wa, 0.0%hi, 0.1%si,
0.0%st
Mem: 8148056k total, 626572k used, 7521484k free, 105292k buffers
Swap: 19802108k total, 0k used, 19802108k free, 319328k cached
```

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

```
top - 17:23:32 up 1:01, 3 users, load average: 0.00, 0.04, 0.18
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.0%us, 0.1%sy, 0.0%ni, 99.9%id, 0.0%wa, 0.0%hi, 0.0%si,
0.0%st
Mem: 8148056k total, 626572k used, 7521484k free, 105292k buffers
```

Swap: 19802108k total, 0k used, 19802108k free, 319328k cached

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

top - 17:23:35 up 1:01, 3 users, load average: 0.00, 0.04, 0.18

Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie

Cpu(s): 0.0%us, 0.1%sy, 0.0%ni, 99.7%id, 0.2%wa, 0.0%hi, 0.0%si, 0.0%st

Mem: 8148056k total, 626572k used, 7521484k free, 105300k buffers

Swap: 19802108k total, 0k used, 19802108k free, 319328k cached

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

top - 17:23:38 up 1:01, 3 users, load average: 0.00, 0.04, 0.18

Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie

Cpu(s): 0.0%us, 0.1%sy, 0.0%ni, 99.9%id, 0.0%wa, 0.0%hi, 0.0%si, 0.0%st

Mem: 8148056k total, 626572k used, 7521484k free, 105300k buffers

Swap: 19802108k total, 0k used, 19802108k free, 319328k cached

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

top - 17:23:41 up 1:01, 3 users, load average: 0.00, 0.04, 0.18

Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie

Cpu(s): 0.0%us, 0.0%sy, 0.0%ni, 99.9%id, 0.1%wa, 0.0%hi, 0.0%si, 0.0%st

Mem: 8148056k total, 626572k used, 7521484k free, 105308k buffers

Swap: 19802108k total, 0k used, 19802108k free, 319332k cached

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

top - 17:23:44 up 1:01, 3 users, load average: 0.00, 0.04, 0.18

Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie

Cpu(s): 0.0%us, 0.1%sy, 0.0%ni, 99.9%id, 0.0%wa, 0.0%hi, 0.0%si, 0.0%st

Mem: 8148056k total, 626572k used, 7521484k free, 105308k buffers

Swap: 19802108k total, 0k used, 19802108k free, 319332k cached

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

top - 17:23:47 up 1:01, 3 users, load average: 0.00, 0.04, 0.18

Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie

Cpu(s): 0.0%us, 0.1%sy, 0.0%ni, 99.7%id, 0.2%wa, 0.0%hi, 0.0%si, 0.0%st

Mem: 8148056k total, 626572k used, 7521484k free, 105316k buffers

Swap: 19802108k total, 0k used, 19802108k free, 319332k cached

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

top - 17:23:50 up 1:01, 3 users, load average: 0.00, 0.04, 0.18

Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie

```
Cpu(s):  0.1%us,  0.0%sy,  0.0%ni, 99.9%id,  0.0%wa,  0.0%hi,  0.0%si,
0.0%st
Mem:   8148056k total,    626572k used,   7521484k free,    105316k buffers
Swap: 19802108k total,         0k used, 19802108k free,    319332k cached
```

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

```
top - 17:23:53 up  1:01,  3 users,  load average: 0.00, 0.04, 0.18
Tasks:  1 total,  0 running,  1 sleeping,  0 stopped,  0 zombie
Cpu(s):  0.0%us,  0.0%sy,  0.0%ni, 99.8%id,  0.2%wa,  0.0%hi,  0.0%si,
0.0%st
Mem:   8148056k total,    626572k used,   7521484k free,    105324k buffers
Swap: 19802108k total,         0k used, 19802108k free,    319332k cached
```

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

```
top - 17:23:56 up  1:01,  3 users,  load average: 0.00, 0.04, 0.18
Tasks:  1 total,  0 running,  1 sleeping,  0 stopped,  0 zombie
Cpu(s):  0.1%us,  0.0%sy,  0.0%ni, 99.9%id,  0.0%wa,  0.0%hi,  0.0%si,
0.0%st
Mem:   8148056k total,    626572k used,   7521484k free,    105324k buffers
Swap: 19802108k total,         0k used, 19802108k free,    319332k cached
```

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

```
top - 17:23:59 up  1:01,  3 users,  load average: 0.00, 0.04, 0.18
Tasks:  1 total,  0 running,  1 sleeping,  0 stopped,  0 zombie
Cpu(s):  0.0%us,  0.0%sy,  0.0%ni, 99.8%id,  0.2%wa,  0.0%hi,  0.0%si,
0.0%st
Mem:   8148056k total,    626572k used,   7521484k free,    105332k buffers
Swap: 19802108k total,         0k used, 19802108k free,    319332k cached
```

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

```
top - 17:24:02 up  1:01,  3 users,  load average: 0.00, 0.04, 0.18
Tasks:  1 total,  0 running,  1 sleeping,  0 stopped,  0 zombie
Cpu(s):  0.1%us,  0.0%sy,  0.0%ni, 99.9%id,  0.0%wa,  0.0%hi,  0.0%si,
0.0%st
Mem:   8148056k total,    626572k used,   7521484k free,    105332k buffers
Swap: 19802108k total,         0k used, 19802108k free,    319356k cached
```

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

```
top - 17:24:05 up  1:01,  3 users,  load average: 0.00, 0.04, 0.18
Tasks:  1 total,  0 running,  1 sleeping,  0 stopped,  0 zombie
Cpu(s):  0.0%us,  0.1%sy,  0.0%ni, 99.6%id,  0.3%wa,  0.0%hi,  0.0%si,
0.0%st
Mem:   8148056k total,    626572k used,   7521484k free,    105340k buffers
Swap: 19802108k total,         0k used, 19802108k free,    319336k cached
```

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |


```
top - 17:24:08 up 1:01, 3 users, load average: 0.00, 0.04, 0.18
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.1%us, 0.0%sy, 0.0%ni, 99.9%id, 0.0%wa, 0.0%hi, 0.0%si,
0.0%st
Mem: 8148056k total, 626572k used, 7521484k free, 105340k buffers
Swap: 19802108k total, 0k used, 19802108k free, 319336k cached
```

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

```
top - 17:24:11 up 1:01, 3 users, load average: 0.00, 0.04, 0.18
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.0%us, 0.0%sy, 0.0%ni, 99.8%id, 0.2%wa, 0.0%hi, 0.0%si,
0.0%st
Mem: 8148056k total, 626572k used, 7521484k free, 105348k buffers
Swap: 19802108k total, 0k used, 19802108k free, 319336k cached
```

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

```
top - 17:24:14 up 1:01, 3 users, load average: 0.00, 0.04, 0.17
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.0%us, 0.0%sy, 0.0%ni, 100.0%id, 0.0%wa, 0.0%hi, 0.0%si,
0.0%st
Mem: 8148056k total, 626572k used, 7521484k free, 105348k buffers
Swap: 19802108k total, 0k used, 19802108k free, 319336k cached
```

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

```
top - 17:24:17 up 1:01, 3 users, load average: 0.00, 0.04, 0.17
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.0%us, 0.0%sy, 0.0%ni, 99.9%id, 0.1%wa, 0.0%hi, 0.0%si,
0.0%st
Mem: 8148056k total, 626572k used, 7521484k free, 105356k buffers
Swap: 19802108k total, 0k used, 19802108k free, 319336k cached
```

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

```
top - 17:24:20 up 1:02, 3 users, load average: 0.00, 0.04, 0.17
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.0%us, 0.0%sy, 0.0%ni, 100.0%id, 0.0%wa, 0.0%hi, 0.0%si,
0.0%st
Mem: 8148056k total, 626572k used, 7521484k free, 105356k buffers
Swap: 19802108k total, 0k used, 19802108k free, 319336k cached
```

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

```
top - 17:24:23 up 1:02, 3 users, load average: 0.00, 0.04, 0.17
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.1%us, 0.0%sy, 0.0%ni, 99.7%id, 0.2%wa, 0.0%hi, 0.0%si,
0.0%st
Mem: 8148056k total, 626572k used, 7521484k free, 105364k buffers
Swap: 19802108k total, 0k used, 19802108k free, 319336k cached
```

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

top - 17:24:26 up 1:02, 3 users, load average: 0.00, 0.04, 0.17
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.0%us, 0.0%sy, 0.0%ni, 100.0%id, 0.0%wa, 0.0%hi, 0.0%si, 0.0%st
Mem: 8148056k total, 626572k used, 7521484k free, 105364k buffers
Swap: 19802108k total, 0k used, 19802108k free, 319336k cached

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

top - 17:24:29 up 1:02, 3 users, load average: 0.00, 0.04, 0.17
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.0%us, 0.0%sy, 0.0%ni, 99.7%id, 0.3%wa, 0.0%hi, 0.0%si, 0.0%st
Mem: 8148056k total, 626572k used, 7521484k free, 105372k buffers
Swap: 19802108k total, 0k used, 19802108k free, 319340k cached

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

top - 17:24:32 up 1:02, 3 users, load average: 0.00, 0.03, 0.17
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.0%us, 0.1%sy, 0.0%ni, 99.9%id, 0.0%wa, 0.0%hi, 0.0%si, 0.0%st
Mem: 8148056k total, 626572k used, 7521484k free, 105372k buffers
Swap: 19802108k total, 0k used, 19802108k free, 319340k cached

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

top - 17:24:35 up 1:02, 3 users, load average: 0.00, 0.03, 0.17
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.0%us, 0.1%sy, 0.0%ni, 99.8%id, 0.2%wa, 0.0%hi, 0.0%si, 0.0%st
Mem: 8148056k total, 626572k used, 7521484k free, 105380k buffers
Swap: 19802108k total, 0k used, 19802108k free, 319340k cached

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

top - 17:24:38 up 1:02, 3 users, load average: 0.00, 0.03, 0.17
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.0%us, 0.0%sy, 0.0%ni, 99.9%id, 0.0%wa, 0.0%hi, 0.1%si, 0.0%st
Mem: 8148056k total, 626572k used, 7521484k free, 105380k buffers
Swap: 19802108k total, 0k used, 19802108k free, 319340k cached

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

top - 17:24:41 up 1:02, 3 users, load average: 0.00, 0.03, 0.17
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.0%us, 0.1%sy, 0.0%ni, 99.8%id, 0.2%wa, 0.0%hi, 0.0%si, 0.0%st

Mem: 8148056k total, 626572k used, 7521484k free, 105388k buffers
Swap: 19802108k total, 0k used, 19802108k free, 319340k cached

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

top - 17:24:44 up 1:02, 3 users, load average: 0.00, 0.03, 0.17
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.0%us, 0.1%sy, 0.0%ni, 99.9%id, 0.0%wa, 0.0%hi, 0.0%si, 0.0%st
Mem: 8148056k total, 626572k used, 7521484k free, 105388k buffers
Swap: 19802108k total, 0k used, 19802108k free, 319340k cached

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

top - 17:24:47 up 1:02, 3 users, load average: 0.00, 0.03, 0.17
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.0%us, 0.0%sy, 0.0%ni, 99.9%id, 0.1%wa, 0.0%hi, 0.0%si, 0.0%st
Mem: 8148056k total, 626572k used, 7521484k free, 105396k buffers
Swap: 19802108k total, 0k used, 19802108k free, 319340k cached

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

top - 17:24:50 up 1:02, 3 users, load average: 0.00, 0.03, 0.17
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.0%us, 0.0%sy, 0.0%ni, 100.0%id, 0.0%wa, 0.0%hi, 0.0%si, 0.0%st
Mem: 8148056k total, 626572k used, 7521484k free, 105396k buffers
Swap: 19802108k total, 0k used, 19802108k free, 319340k cached

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

top - 17:24:53 up 1:02, 3 users, load average: 0.00, 0.03, 0.17
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.1%us, 0.1%sy, 0.0%ni, 99.5%id, 0.3%wa, 0.0%hi, 0.0%si, 0.0%st
Mem: 8148056k total, 626572k used, 7521484k free, 105404k buffers
Swap: 19802108k total, 0k used, 19802108k free, 319344k cached

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

top - 17:24:56 up 1:02, 3 users, load average: 0.00, 0.03, 0.17
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.0%us, 0.1%sy, 0.0%ni, 99.9%id, 0.0%wa, 0.0%hi, 0.0%si, 0.0%st
Mem: 8148056k total, 626572k used, 7521484k free, 105404k buffers
Swap: 19802108k total, 0k used, 19802108k free, 319344k cached

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

top - 17:24:59 up 1:02, 3 users, load average: 0.00, 0.03, 0.17

```

Tasks:   1 total,    0 running,    1 sleeping,    0 stopped,    0 zombie
Cpu(s):  0.0%us,   0.0%sy,   0.0%ni, 99.8%id,   0.1%wa,   0.0%hi,   0.1%si,
0.0%st
Mem:   8148056k total,   626696k used,   7521360k free,   105412k buffers
Swap: 19802108k total,    0k used, 19802108k free,   319344k cached

```

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

```

top - 17:25:02 up 1:02, 3 users, load average: 0.00, 0.03, 0.16
Tasks:   1 total,    0 running,    1 sleeping,    0 stopped,    0 zombie
Cpu(s):  0.0%us,   0.0%sy,   0.0%ni,100.0%id,   0.0%wa,   0.0%hi,   0.0%si,
0.0%st
Mem:   8148056k total,   626696k used,   7521360k free,   105412k buffers
Swap: 19802108k total,    0k used, 19802108k free,   319368k cached

```

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

```

top - 17:25:05 up 1:02, 3 users, load average: 0.00, 0.03, 0.16
Tasks:   1 total,    0 running,    1 sleeping,    0 stopped,    0 zombie
Cpu(s):  0.1%us,   0.0%sy,   0.0%ni, 99.7%id,   0.2%wa,   0.0%hi,   0.0%si,
0.0%st
Mem:   8148056k total,   626696k used,   7521360k free,   105420k buffers
Swap: 19802108k total,    0k used, 19802108k free,   319344k cached

```

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

```

top - 17:25:08 up 1:02, 3 users, load average: 0.00, 0.03, 0.16
Tasks:   1 total,    0 running,    1 sleeping,    0 stopped,    0 zombie
Cpu(s):  0.0%us,   0.1%sy,   0.0%ni, 99.9%id,   0.0%wa,   0.0%hi,   0.0%si,
0.0%st
Mem:   8148056k total,   626696k used,   7521360k free,   105420k buffers
Swap: 19802108k total,    0k used, 19802108k free,   319344k cached

```

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

```

top - 17:25:11 up 1:02, 3 users, load average: 0.00, 0.03, 0.16
Tasks:   1 total,    0 running,    1 sleeping,    0 stopped,    0 zombie
Cpu(s):  0.0%us,   0.2%sy,   0.0%ni, 99.7%id,   0.2%wa,   0.0%hi,   0.0%si,
0.0%st
Mem:   8148056k total,   626696k used,   7521360k free,   105428k buffers
Swap: 19802108k total,    0k used, 19802108k free,   319344k cached

```

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

```

top - 17:25:14 up 1:02, 3 users, load average: 0.00, 0.03, 0.16
Tasks:   1 total,    0 running,    1 sleeping,    0 stopped,    0 zombie
Cpu(s):  0.1%us,   0.0%sy,   0.0%ni, 99.9%id,   0.0%wa,   0.0%hi,   0.0%si,
0.0%st
Mem:   8148056k total,   626696k used,   7521360k free,   105428k buffers
Swap: 19802108k total,    0k used, 19802108k free,   319344k cached

```

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

```

top - 17:25:17 up 1:02, 3 users, load average: 0.00, 0.03, 0.16
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.0%us, 0.0%sy, 0.0%ni, 99.8%id, 0.2%wa, 0.0%hi, 0.0%si, 0.0%st
Mem: 8148056k total, 626696k used, 7521360k free, 105436k buffers
Swap: 19802108k total, 0k used, 19802108k free, 319348k cached

```

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

```

top - 17:25:20 up 1:03, 3 users, load average: 0.00, 0.03, 0.16
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.0%us, 0.1%sy, 0.0%ni, 99.9%id, 0.0%wa, 0.0%hi, 0.0%si, 0.0%st
Mem: 8148056k total, 626696k used, 7521360k free, 105436k buffers
Swap: 19802108k total, 0k used, 19802108k free, 319348k cached

```

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

```

top - 17:25:23 up 1:03, 3 users, load average: 0.00, 0.03, 0.16
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.0%us, 0.0%sy, 0.0%ni, 99.7%id, 0.3%wa, 0.0%hi, 0.0%si, 0.0%st
Mem: 8148056k total, 626696k used, 7521360k free, 105444k buffers
Swap: 19802108k total, 0k used, 19802108k free, 319348k cached

```

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

```

top - 17:25:26 up 1:03, 3 users, load average: 0.00, 0.03, 0.16
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.0%us, 0.0%sy, 0.0%ni, 100.0%id, 0.0%wa, 0.0%hi, 0.0%si, 0.0%st
Mem: 8148056k total, 626696k used, 7521360k free, 105444k buffers
Swap: 19802108k total, 0k used, 19802108k free, 319348k cached

```

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

```

top - 17:25:29 up 1:03, 3 users, load average: 0.00, 0.03, 0.16
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.1%us, 0.0%sy, 0.0%ni, 99.6%id, 0.3%wa, 0.0%hi, 0.0%si, 0.0%st
Mem: 8148056k total, 626696k used, 7521360k free, 105452k buffers
Swap: 19802108k total, 0k used, 19802108k free, 319348k cached

```

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

```

top - 17:25:32 up 1:03, 3 users, load average: 0.00, 0.03, 0.16
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.0%us, 0.0%sy, 0.0%ni, 100.0%id, 0.0%wa, 0.0%hi, 0.0%si, 0.0%st
Mem: 8148056k total, 626696k used, 7521360k free, 105452k buffers
Swap: 19802108k total, 0k used, 19802108k free, 319348k cached

```

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

```
top - 17:25:35 up 1:03, 3 users, load average: 0.00, 0.03, 0.16
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.0%us, 0.1%sy, 0.0%ni, 99.6%id, 0.3%wa, 0.0%hi, 0.0%si, 0.0%st
Mem: 8148056k total, 626696k used, 7521360k free, 105460k buffers
Swap: 19802108k total, 0k used, 19802108k free, 319348k cached
```

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

```
top - 17:25:38 up 1:03, 3 users, load average: 0.00, 0.03, 0.16
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.0%us, 0.0%sy, 0.0%ni, 100.0%id, 0.0%wa, 0.0%hi, 0.0%si, 0.0%st
Mem: 8148056k total, 626696k used, 7521360k free, 105460k buffers
Swap: 19802108k total, 0k used, 19802108k free, 319352k cached
```

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

```
top - 17:25:41 up 1:03, 3 users, load average: 0.00, 0.03, 0.16
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.0%us, 0.0%sy, 0.0%ni, 99.7%id, 0.3%wa, 0.0%hi, 0.0%si, 0.0%st
Mem: 8148056k total, 626696k used, 7521360k free, 105468k buffers
Swap: 19802108k total, 0k used, 19802108k free, 319352k cached
```

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

```
top - 17:25:44 up 1:03, 3 users, load average: 0.00, 0.03, 0.16
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.0%us, 0.1%sy, 0.0%ni, 99.9%id, 0.0%wa, 0.0%hi, 0.0%si, 0.0%st
Mem: 8148056k total, 626696k used, 7521360k free, 105468k buffers
Swap: 19802108k total, 0k used, 19802108k free, 319352k cached
```

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

```
top - 17:25:47 up 1:03, 3 users, load average: 0.00, 0.03, 0.16
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.1%us, 0.0%sy, 0.0%ni, 99.8%id, 0.2%wa, 0.0%hi, 0.0%si, 0.0%st
Mem: 8148056k total, 626696k used, 7521360k free, 105476k buffers
Swap: 19802108k total, 0k used, 19802108k free, 319352k cached
```

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

```
top - 17:25:50 up 1:03, 3 users, load average: 0.00, 0.03, 0.16
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
```

```
Cpu(s):  0.0%us,  0.1%sy,  0.0%ni, 99.9%id,  0.0%wa,  0.0%hi,  0.0%si,
0.0%st
Mem:   8148056k total,   626696k used,  7521360k free,   105476k buffers
Swap: 19802108k total,         0k used, 19802108k free,   319352k cached
```

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

```
top - 17:25:53 up  1:03,  3 users,  load average: 0.00, 0.03, 0.16
Tasks:  1 total,  0 running,  1 sleeping,  0 stopped,  0 zombie
Cpu(s):  0.0%us,  0.0%sy,  0.0%ni, 99.7%id,  0.3%wa,  0.0%hi,  0.0%si,
0.0%st
Mem:   8148056k total,   626696k used,  7521360k free,   105484k buffers
Swap: 19802108k total,         0k used, 19802108k free,   319352k cached
```

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

```
top - 17:25:56 up  1:03,  3 users,  load average: 0.00, 0.03, 0.16
Tasks:  1 total,  0 running,  1 sleeping,  0 stopped,  0 zombie
Cpu(s):  0.0%us,  0.0%sy,  0.0%ni,100.0%id,  0.0%wa,  0.0%hi,  0.0%si,
0.0%st
Mem:   8148056k total,   626696k used,  7521360k free,   105484k buffers
Swap: 19802108k total,         0k used, 19802108k free,   319352k cached
```

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

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```
top - 17:33:26 up 1:11, 3 users, load average: 0.54, 0.22, 0.17
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.3%us, 0.1%sy, 0.2%ni, 94.8%id, 0.5%wa, 0.0%hi, 4.1%si, 0.0%st
Mem: 8148056k total, 628256k used, 7519800k free, 105604k buffers
Swap: 19802108k total, 0k used, 19802108k free, 320668k cached
```

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

```
top - 17:33:29 up 1:11, 3 users, load average: 0.58, 0.23, 0.18
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.0%us, 0.0%sy, 0.0%ni, 74.5%id, 0.5%wa, 0.0%hi, 25.0%si, 0.0%st
Mem: 8148056k total, 627372k used, 7520684k free, 105612k buffers
Swap: 19802108k total, 0k used, 19802108k free, 319392k cached
```

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

```
top - 17:33:32 up 1:11, 3 users, load average: 0.61, 0.24, 0.18
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.0%us, 0.0%sy, 0.0%ni, 75.0%id, 0.0%wa, 0.0%hi, 25.0%si, 0.0%st
Mem: 8148056k total, 627356k used, 7520700k free, 105612k buffers
Swap: 19802108k total, 0k used, 19802108k free, 319392k cached
```

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

```
top - 17:33:35 up 1:11, 3 users, load average: 0.61, 0.24, 0.18
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.0%us, 0.0%sy, 0.0%ni, 74.8%id, 0.2%wa, 0.0%hi, 25.0%si, 0.0%st
Mem: 8148056k total, 627372k used, 7520684k free, 105620k buffers
Swap: 19802108k total, 0k used, 19802108k free, 319392k cached
```

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

```
top - 17:33:38 up 1:11, 3 users, load average: 0.64, 0.26, 0.19
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.0%us, 0.0%sy, 0.0%ni, 75.0%id, 0.0%wa, 0.0%hi, 25.0%si, 0.0%st
Mem: 8148056k total, 627356k used, 7520700k free, 105620k buffers
Swap: 19802108k total, 0k used, 19802108k free, 319392k cached
```

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

```
top - 17:33:41 up 1:11, 3 users, load average: 0.64, 0.26, 0.19
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.0%us, 0.1%sy, 0.0%ni, 74.9%id, 0.1%wa, 0.0%hi, 25.0%si, 0.0%st
Mem: 8148056k total, 627356k used, 7520700k free, 105628k buffers
```


Swap: 19802108k total, 0k used, 19802108k free, 319392k cached

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

top - 17:33:44 up 1:11, 3 users, load average: 0.67, 0.27, 0.19
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.0%us, 0.0%sy, 0.0%ni, 75.0%id, 0.0%wa, 0.0%hi, 25.0%si, 0.0%st
Mem: 8148056k total, 627372k used, 7520684k free, 105628k buffers
Swap: 19802108k total, 0k used, 19802108k free, 319392k cached

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

top - 17:33:47 up 1:11, 3 users, load average: 0.70, 0.28, 0.20
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.0%us, 0.1%sy, 0.0%ni, 74.8%id, 0.2%wa, 0.0%hi, 25.0%si, 0.0%st
Mem: 8148056k total, 627356k used, 7520700k free, 105636k buffers
Swap: 19802108k total, 0k used, 19802108k free, 319392k cached

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

top - 17:33:50 up 1:11, 3 users, load average: 0.70, 0.28, 0.20
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.0%us, 0.0%sy, 0.0%ni, 75.0%id, 0.0%wa, 0.0%hi, 25.0%si, 0.0%st
Mem: 8148056k total, 627372k used, 7520684k free, 105636k buffers
Swap: 19802108k total, 0k used, 19802108k free, 319396k cached

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

top - 17:33:53 up 1:11, 3 users, load average: 0.72, 0.29, 0.20
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.0%us, 0.0%sy, 0.0%ni, 74.9%id, 0.2%wa, 0.0%hi, 25.0%si, 0.0%st
Mem: 8148056k total, 627356k used, 7520700k free, 105644k buffers
Swap: 19802108k total, 0k used, 19802108k free, 319396k cached

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

top - 17:33:56 up 1:11, 3 users, load average: 0.72, 0.29, 0.20
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.0%us, 0.0%sy, 0.0%ni, 74.9%id, 0.0%wa, 0.0%hi, 25.1%si, 0.0%st
Mem: 8148056k total, 627356k used, 7520700k free, 105644k buffers
Swap: 19802108k total, 0k used, 19802108k free, 319396k cached

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

top - 17:33:59 up 1:11, 3 users, load average: 0.74, 0.30, 0.21
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie

```
Cpu(s):  0.0%us,  0.0%sy,  0.0%ni, 74.7%id,  0.3%wa,  0.0%hi, 25.0%si,
0.0%st
Mem:   8148056k total,   627356k used,  7520700k free,   105652k buffers
Swap: 19802108k total,         0k used, 19802108k free,   319396k cached
```

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

```
top - 17:34:02 up  1:11,  3 users,  load average: 0.76, 0.32, 0.21
Tasks:  1 total,  0 running,  1 sleeping,  0 stopped,  0 zombie
Cpu(s):  1.2%us,  0.2%sy,  0.0%ni, 67.3%id,  6.3%wa,  0.0%hi, 25.0%si,
0.0%st
Mem:   8148056k total,   640936k used,  7507120k free,   105776k buffers
Swap: 19802108k total,         0k used, 19802108k free,   332556k cached
```

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

```
top - 17:34:05 up  1:11,  3 users,  load average: 0.76, 0.32, 0.21
Tasks:  1 total,  0 running,  1 sleeping,  0 stopped,  0 zombie
Cpu(s):  0.1%us,  0.0%sy,  0.0%ni, 74.2%id,  0.7%wa,  0.0%hi, 25.1%si,
0.0%st
Mem:   8148056k total,   641060k used,  7506996k free,   105784k buffers
Swap: 19802108k total,         0k used, 19802108k free,   332672k cached
```

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

```
top - 17:34:08 up  1:11,  3 users,  load average: 0.86, 0.34, 0.22
Tasks:  1 total,  0 running,  1 sleeping,  0 stopped,  0 zombie
Cpu(s):  0.0%us,  0.0%sy,  0.0%ni, 75.0%id,  0.0%wa,  0.0%hi, 25.0%si,
0.0%st
Mem:   8148056k total,   641044k used,  7507012k free,   105784k buffers
Swap: 19802108k total,         0k used, 19802108k free,   332676k cached
```

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

```
top - 17:34:11 up  1:11,  3 users,  load average: 0.86, 0.34, 0.22
Tasks:  1 total,  0 running,  1 sleeping,  0 stopped,  0 zombie
Cpu(s):  0.0%us,  0.0%sy,  0.0%ni, 74.7%id,  0.3%wa,  0.0%hi, 25.0%si,
0.0%st
Mem:   8148056k total,   641060k used,  7506996k free,   105792k buffers
Swap: 19802108k total,         0k used, 19802108k free,   332672k cached
```

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

```
top - 17:34:14 up  1:11,  3 users,  load average: 0.87, 0.35, 0.22
Tasks:  1 total,  0 running,  1 sleeping,  0 stopped,  0 zombie
Cpu(s):  0.0%us,  0.0%sy,  0.0%ni, 75.0%id,  0.0%wa,  0.0%hi, 25.0%si,
0.0%st
Mem:   8148056k total,   641060k used,  7506996k free,   105792k buffers
Swap: 19802108k total,         0k used, 19802108k free,   332680k cached
```

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

```
top - 17:34:17 up 1:11, 3 users, load average: 0.96, 0.38, 0.23
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.0%us, 0.0%sy, 0.0%ni, 74.7%id, 0.3%wa, 0.0%hi, 25.1%si,
0.0%st
Mem: 8148056k total, 641184k used, 7506872k free, 105800k buffers
Swap: 19802108k total, 0k used, 19802108k free, 332676k cached
```

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

```
top - 17:34:20 up 1:12, 3 users, load average: 0.96, 0.38, 0.23
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.0%us, 0.0%sy, 0.0%ni, 75.0%id, 0.0%wa, 0.0%hi, 25.0%si,
0.0%st
Mem: 8148056k total, 641184k used, 7506872k free, 105800k buffers
Swap: 19802108k total, 0k used, 19802108k free, 332680k cached
```

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

```
top - 17:34:23 up 1:12, 3 users, load average: 0.97, 0.39, 0.24
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.0%us, 0.1%sy, 0.0%ni, 74.4%id, 0.6%wa, 0.0%hi, 25.0%si,
0.0%st
Mem: 8148056k total, 641168k used, 7506888k free, 105808k buffers
Swap: 19802108k total, 0k used, 19802108k free, 332676k cached
```

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

```
top - 17:34:26 up 1:12, 3 users, load average: 0.97, 0.39, 0.24
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.0%us, 0.0%sy, 0.0%ni, 75.0%id, 0.0%wa, 0.0%hi, 25.0%si,
0.0%st
Mem: 8148056k total, 641168k used, 7506888k free, 105808k buffers
Swap: 19802108k total, 0k used, 19802108k free, 332680k cached
```

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

```
top - 17:34:29 up 1:12, 3 users, load average: 1.05, 0.42, 0.25
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.0%us, 0.0%sy, 0.0%ni, 74.5%id, 0.5%wa, 0.0%hi, 25.0%si,
0.0%st
Mem: 8148056k total, 641168k used, 7506888k free, 105824k buffers
Swap: 19802108k total, 0k used, 19802108k free, 332600k cached
```

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

```
top - 17:34:32 up 1:12, 3 users, load average: 1.05, 0.43, 0.25
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.0%us, 0.0%sy, 0.0%ni, 75.0%id, 0.0%wa, 0.0%hi, 25.0%si,
0.0%st
Mem: 8148056k total, 641168k used, 7506888k free, 105824k buffers
Swap: 19802108k total, 0k used, 19802108k free, 332676k cached
```

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

top - 17:34:35 up 1:12, 3 users, load average: 1.05, 0.43, 0.25
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.0%us, 0.1%sy, 0.0%ni, 74.6%id, 0.3%wa, 0.0%hi, 25.0%si, 0.0%st
Mem: 8148056k total, 641168k used, 7506888k free, 105832k buffers
Swap: 19802108k total, 0k used, 19802108k free, 332676k cached

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

top - 17:34:38 up 1:12, 3 users, load average: 1.12, 0.45, 0.26
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.1%us, 0.0%sy, 0.0%ni, 74.9%id, 0.0%wa, 0.0%hi, 25.0%si, 0.0%st
Mem: 8148056k total, 641184k used, 7506872k free, 105832k buffers
Swap: 19802108k total, 0k used, 19802108k free, 332680k cached

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

top - 17:34:41 up 1:12, 3 users, load average: 1.12, 0.45, 0.26
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.0%us, 0.1%sy, 0.0%ni, 74.7%id, 0.3%wa, 0.0%hi, 25.0%si, 0.0%st
Mem: 8148056k total, 641184k used, 7506872k free, 105840k buffers
Swap: 19802108k total, 0k used, 19802108k free, 332676k cached

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

top - 17:34:44 up 1:12, 3 users, load average: 1.11, 0.46, 0.26
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.0%us, 0.0%sy, 0.0%ni, 75.0%id, 0.0%wa, 0.0%hi, 25.0%si, 0.0%st
Mem: 8148056k total, 641168k used, 7506888k free, 105840k buffers
Swap: 19802108k total, 0k used, 19802108k free, 332680k cached

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

top - 17:34:47 up 1:12, 3 users, load average: 1.18, 0.49, 0.27
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.0%us, 0.1%sy, 0.0%ni, 74.8%id, 0.2%wa, 0.0%hi, 25.0%si, 0.0%st
Mem: 8148056k total, 641184k used, 7506872k free, 105848k buffers
Swap: 19802108k total, 0k used, 19802108k free, 332676k cached

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

top - 17:34:50 up 1:12, 3 users, load average: 1.18, 0.49, 0.27
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.0%us, 0.0%sy, 0.0%ni, 75.0%id, 0.0%wa, 0.0%hi, 25.0%si, 0.0%st

Mem: 8148056k total, 641184k used, 7506872k free, 105848k buffers
Swap: 19802108k total, 0k used, 19802108k free, 332680k cached

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

top - 17:34:53 up 1:12, 3 users, load average: 1.17, 0.50, 0.28
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.0%us, 0.0%sy, 0.0%ni, 74.8%id, 0.2%wa, 0.0%hi, 25.0%si, 0.0%st
Mem: 8148056k total, 641184k used, 7506872k free, 105856k buffers
Swap: 19802108k total, 0k used, 19802108k free, 332676k cached

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

top - 17:34:56 up 1:12, 3 users, load average: 1.17, 0.50, 0.28
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.0%us, 0.0%sy, 0.0%ni, 75.0%id, 0.0%wa, 0.0%hi, 25.0%si, 0.0%st
Mem: 8148056k total, 641184k used, 7506872k free, 105856k buffers
Swap: 19802108k total, 0k used, 19802108k free, 332680k cached

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

top - 17:34:59 up 1:12, 3 users, load average: 1.24, 0.52, 0.29
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.0%us, 0.0%sy, 0.0%ni, 74.7%id, 0.2%wa, 0.0%hi, 25.0%si, 0.0%st
Mem: 8148056k total, 641184k used, 7506872k free, 105864k buffers
Swap: 19802108k total, 0k used, 19802108k free, 332676k cached

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

top - 17:35:02 up 1:12, 3 users, load average: 1.22, 0.53, 0.29
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.0%us, 0.0%sy, 0.0%ni, 74.9%id, 0.2%wa, 0.0%hi, 24.9%si, 0.0%st
Mem: 8148056k total, 641292k used, 7506764k free, 105872k buffers
Swap: 19802108k total, 0k used, 19802108k free, 332708k cached

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

top - 17:35:05 up 1:12, 3 users, load average: 1.22, 0.53, 0.29
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.0%us, 0.0%sy, 0.0%ni, 75.0%id, 0.0%wa, 0.0%hi, 25.0%si, 0.0%st
Mem: 8148056k total, 641308k used, 7506748k free, 105872k buffers
Swap: 19802108k total, 0k used, 19802108k free, 332684k cached

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

top - 17:35:08 up 1:12, 3 users, load average: 1.20, 0.54, 0.29

```

Tasks:   1 total,    0 running,    1 sleeping,    0 stopped,    0 zombie
Cpu(s):  0.1%us,   0.0%sy,   0.0%ni,  74.7%id,   0.2%wa,   0.0%hi,  25.0%si,
0.0%st
Mem:    8148056k total,    641308k used,   7506748k free,    105880k buffers
Swap: 19802108k total,         0k used, 19802108k free,    332684k cached

```

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

```

top - 17:35:11 up 1:12, 3 users, load average: 1.20, 0.54, 0.29
Tasks:   1 total,    0 running,    1 sleeping,    0 stopped,    0 zombie
Cpu(s):  0.0%us,   0.1%sy,   0.0%ni,  74.9%id,   0.0%wa,   0.0%hi,  25.0%si,
0.0%st
Mem:    8148056k total,    641308k used,   7506748k free,    105880k buffers
Swap: 19802108k total,         0k used, 19802108k free,    332684k cached

```

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

```

top - 17:35:14 up 1:12, 3 users, load average: 1.18, 0.55, 0.30
Tasks:   1 total,    0 running,    1 sleeping,    0 stopped,    0 zombie
Cpu(s):  0.0%us,   0.0%sy,   0.0%ni,  75.0%id,   0.0%wa,   0.0%hi,  25.0%si,
0.0%st
Mem:    8148056k total,    641292k used,   7506764k free,    105888k buffers
Swap: 19802108k total,         0k used, 19802108k free,    332676k cached

```

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

```

top - 17:35:17 up 1:12, 3 users, load average: 1.17, 0.55, 0.30
Tasks:   1 total,    0 running,    1 sleeping,    0 stopped,    0 zombie
Cpu(s):  0.0%us,   0.1%sy,   0.0%ni,  74.7%id,   0.2%wa,   0.0%hi,  25.0%si,
0.0%st
Mem:    8148056k total,    641292k used,   7506764k free,    105888k buffers
Swap: 19802108k total,         0k used, 19802108k free,    332684k cached

```

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

```

top - 17:35:20 up 1:13, 3 users, load average: 1.17, 0.55, 0.30
Tasks:   1 total,    0 running,    1 sleeping,    0 stopped,    0 zombie
Cpu(s):  0.0%us,   0.0%sy,   0.0%ni,  75.1%id,   0.0%wa,   0.0%hi,  24.9%si,
0.0%st
Mem:    8148056k total,    641292k used,   7506764k free,    105896k buffers
Swap: 19802108k total,         0k used, 19802108k free,    332676k cached

```

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

```

top - 17:35:23 up 1:13, 3 users, load average: 1.15, 0.56, 0.31
Tasks:   1 total,    0 running,    1 sleeping,    0 stopped,    0 zombie
Cpu(s):  0.0%us,   0.0%sy,   0.0%ni,  74.7%id,   0.2%wa,   0.0%hi,  25.1%si,
0.0%st
Mem:    8148056k total,    641292k used,   7506764k free,    105896k buffers
Swap: 19802108k total,         0k used, 19802108k free,    332684k cached

```

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

```

top - 17:35:26 up 1:13, 3 users, load average: 1.15, 0.56, 0.31
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.0%us, 0.0%sy, 0.0%ni, 74.7%id, 0.2%wa, 0.0%hi, 25.0%si, 0.0%st
Mem: 8148056k total, 641308k used, 7506748k free, 105904k buffers
Swap: 19802108k total, 0k used, 19802108k free, 332688k cached

```

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

```

top - 17:35:29 up 1:13, 3 users, load average: 1.22, 0.58, 0.32
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.0%us, 0.0%sy, 0.0%ni, 74.6%id, 0.3%wa, 0.0%hi, 25.0%si, 0.0%st
Mem: 8148056k total, 641292k used, 7506764k free, 105904k buffers
Swap: 19802108k total, 0k used, 19802108k free, 332688k cached

```

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

```

top - 17:35:32 up 1:13, 3 users, load average: 1.20, 0.59, 0.32
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.1%us, 0.1%sy, 0.0%ni, 74.8%id, 0.2%wa, 0.0%hi, 24.9%si, 0.0%st
Mem: 8148056k total, 641308k used, 7506748k free, 105912k buffers
Swap: 19802108k total, 0k used, 19802108k free, 332688k cached

```

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

```

top - 17:35:35 up 1:13, 3 users, load average: 1.20, 0.59, 0.32
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.0%us, 0.0%sy, 0.0%ni, 74.8%id, 0.2%wa, 0.0%hi, 25.1%si, 0.0%st
Mem: 8148056k total, 641292k used, 7506764k free, 105912k buffers
Swap: 19802108k total, 0k used, 19802108k free, 332688k cached

```

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

```

top - 17:35:38 up 1:13, 3 users, load average: 1.27, 0.61, 0.33
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.0%us, 0.0%sy, 0.0%ni, 74.7%id, 0.3%wa, 0.0%hi, 25.0%si, 0.0%st
Mem: 8148056k total, 641308k used, 7506748k free, 105920k buffers
Swap: 19802108k total, 0k used, 19802108k free, 332688k cached

```

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

```

top - 17:35:41 up 1:13, 3 users, load average: 1.27, 0.61, 0.33
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.0%us, 0.0%sy, 0.0%ni, 75.2%id, 0.0%wa, 0.0%hi, 24.8%si, 0.0%st
Mem: 8148056k total, 641292k used, 7506764k free, 105920k buffers
Swap: 19802108k total, 0k used, 19802108k free, 332688k cached

```

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

top - 17:35:44 up 1:13, 3 users, load average: 1.25, 0.62, 0.33
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.0%us, 0.0%sy, 0.0%ni, 74.7%id, 0.3%wa, 0.0%hi, 25.1%si, 0.0%st
Mem: 8148056k total, 641292k used, 7506764k free, 105928k buffers
Swap: 19802108k total, 0k used, 19802108k free, 332688k cached

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

top - 17:35:47 up 1:13, 3 users, load average: 1.23, 0.63, 0.33
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.0%us, 0.0%sy, 0.0%ni, 75.0%id, 0.2%wa, 0.0%hi, 24.8%si, 0.0%st
Mem: 8148056k total, 641292k used, 7506764k free, 105928k buffers
Swap: 19802108k total, 0k used, 19802108k free, 332692k cached

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

top - 17:35:50 up 1:13, 3 users, load average: 1.23, 0.63, 0.33
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.0%us, 0.1%sy, 0.0%ni, 74.6%id, 0.3%wa, 0.0%hi, 25.1%si, 0.0%st
Mem: 8148056k total, 641292k used, 7506764k free, 105936k buffers
Swap: 19802108k total, 0k used, 19802108k free, 332692k cached

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

top - 17:35:53 up 1:13, 3 users, load average: 1.21, 0.63, 0.34
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.0%us, 0.0%sy, 0.0%ni, 75.1%id, 0.0%wa, 0.0%hi, 24.9%si, 0.0%st
Mem: 8148056k total, 641292k used, 7506764k free, 105936k buffers
Swap: 19802108k total, 0k used, 19802108k free, 332692k cached

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

top - 17:35:56 up 1:13, 3 users, load average: 1.21, 0.63, 0.34
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.0%us, 0.0%sy, 0.0%ni, 74.9%id, 0.2%wa, 0.0%hi, 25.0%si, 0.0%st
Mem: 8148056k total, 641308k used, 7506748k free, 105944k buffers
Swap: 19802108k total, 0k used, 19802108k free, 332684k cached

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

top - 17:35:59 up 1:13, 3 users, load average: 1.19, 0.64, 0.34
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie


```
Cpu(s):  0.0%us,  0.1%sy,  0.0%ni, 74.9%id,  0.0%wa,  0.0%hi, 25.0%si,
0.0%st
Mem:   8148056k total,   641292k used,  7506764k free,   105944k buffers
Swap: 19802108k total,         0k used, 19802108k free,   332692k cached
```

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

```
top - 17:36:02 up  1:13,  3 users,  load average: 1.18, 0.65, 0.35
Tasks:  1 total,  0 running,  1 sleeping,  0 stopped,  0 zombie
Cpu(s):  0.1%us,  0.1%sy,  0.0%ni, 74.5%id,  0.3%wa,  0.0%hi, 25.0%si,
0.0%st
Mem:   8148056k total,   641308k used,  7506748k free,   105952k buffers
Swap: 19802108k total,         0k used, 19802108k free,   332708k cached
```

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

```
top - 17:36:05 up  1:13,  3 users,  load average: 1.18, 0.65, 0.35
Tasks:  1 total,  0 running,  1 sleeping,  0 stopped,  0 zombie
Cpu(s):  0.0%us,  0.0%sy,  0.0%ni, 75.0%id,  0.0%wa,  0.0%hi, 25.0%si,
0.0%st
Mem:   8148056k total,   641308k used,  7506748k free,   105952k buffers
Swap: 19802108k total,         0k used, 19802108k free,   332692k cached
```

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

```
top - 17:36:08 up  1:13,  3 users,  load average: 1.24, 0.67, 0.35
Tasks:  1 total,  0 running,  1 sleeping,  0 stopped,  0 zombie
Cpu(s):  0.0%us,  0.1%sy,  0.0%ni, 74.7%id,  0.3%wa,  0.0%hi, 24.9%si,
0.0%st
Mem:   8148056k total,   641432k used,  7506624k free,   105960k buffers
Swap: 19802108k total,         0k used, 19802108k free,   332684k cached
```

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

```
top - 17:36:11 up  1:13,  3 users,  load average: 1.24, 0.67, 0.35
Tasks:  1 total,  0 running,  1 sleeping,  0 stopped,  0 zombie
Cpu(s):  0.0%us,  0.0%sy,  0.0%ni, 74.9%id,  0.0%wa,  0.0%hi, 25.1%si,
0.0%st
Mem:   8148056k total,   641416k used,  7506640k free,   105960k buffers
Swap: 19802108k total,         0k used, 19802108k free,   332696k cached
```

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

```
top - 17:36:14 up  1:13,  3 users,  load average: 1.22, 0.67, 0.36
Tasks:  1 total,  0 running,  1 sleeping,  0 stopped,  0 zombie
Cpu(s):  0.0%us,  0.0%sy,  0.0%ni, 74.7%id,  0.3%wa,  0.0%hi, 25.0%si,
0.0%st
Mem:   8148056k total,   641416k used,  7506640k free,   105968k buffers
Swap: 19802108k total,         0k used, 19802108k free,   332688k cached
```

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

```
top - 17:36:17 up 1:13, 3 users, load average: 1.20, 0.68, 0.36
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.0%us, 0.0%sy, 0.0%ni, 75.0%id, 0.0%wa, 0.0%hi, 25.0%si,
0.0%st
Mem: 8148056k total, 641432k used, 7506624k free, 105968k buffers
Swap: 19802108k total, 0k used, 19802108k free, 332696k cached
```

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

```
top - 17:36:20 up 1:14, 3 users, load average: 1.20, 0.68, 0.36
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.0%us, 0.0%sy, 0.0%ni, 74.8%id, 0.2%wa, 0.0%hi, 25.0%si,
0.0%st
Mem: 8148056k total, 641416k used, 7506640k free, 105976k buffers
Swap: 19802108k total, 0k used, 19802108k free, 332688k cached
```

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

```
top - 17:36:23 up 1:14, 3 users, load average: 1.19, 0.68, 0.36
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.0%us, 0.1%sy, 0.0%ni, 74.9%id, 0.0%wa, 0.0%hi, 25.0%si,
0.0%st
Mem: 8148056k total, 641432k used, 7506624k free, 105976k buffers
Swap: 19802108k total, 0k used, 19802108k free, 332696k cached
```

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

```
top - 17:36:26 up 1:14, 3 users, load average: 1.19, 0.68, 0.36
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.0%us, 0.0%sy, 0.0%ni, 74.4%id, 0.7%wa, 0.0%hi, 24.9%si,
0.0%st
Mem: 8148056k total, 641416k used, 7506640k free, 105984k buffers
Swap: 19802108k total, 0k used, 19802108k free, 332696k cached
```

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

```
top - 17:36:29 up 1:14, 3 users, load average: 1.17, 0.69, 0.37
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.4%us, 0.2%sy, 0.0%ni, 74.4%id, 0.0%wa, 0.0%hi, 25.0%si,
0.0%st
Mem: 8148056k total, 642696k used, 7505360k free, 105984k buffers
Swap: 19802108k total, 0k used, 19802108k free, 334552k cached
```

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

```
top - 17:36:32 up 1:14, 3 users, load average: 1.16, 0.69, 0.37
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.0%us, 0.0%sy, 0.0%ni, 74.6%id, 0.3%wa, 0.0%hi, 25.1%si,
0.0%st
Mem: 8148056k total, 641036k used, 7507020k free, 105992k buffers
Swap: 19802108k total, 0k used, 19802108k free, 332800k cached
```

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

top - 17:36:35 up 1:14, 3 users, load average: 1.16, 0.69, 0.37
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.2%us, 0.0%sy, 0.0%ni, 74.9%id, 0.0%wa, 0.0%hi, 24.8%si, 0.0%st
Mem: 8148056k total, 642060k used, 7505996k free, 105992k buffers
Swap: 19802108k total, 0k used, 19802108k free, 334040k cached

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

top - 17:36:38 up 1:14, 3 users, load average: 1.23, 0.72, 0.38
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.2%us, 0.1%sy, 0.0%ni, 74.1%id, 0.4%wa, 0.0%hi, 25.3%si, 0.0%st
Mem: 8148056k total, 641408k used, 7506648k free, 106000k buffers
Swap: 19802108k total, 0k used, 19802108k free, 334040k cached

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

top - 17:36:41 up 1:14, 3 users, load average: 1.23, 0.72, 0.38
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.0%us, 0.1%sy, 0.0%ni, 75.1%id, 0.0%wa, 0.0%hi, 24.8%si, 0.0%st
Mem: 8148056k total, 640548k used, 7507508k free, 106000k buffers
Swap: 19802108k total, 0k used, 19802108k free, 332712k cached

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

top - 17:36:44 up 1:14, 3 users, load average: 1.21, 0.72, 0.38
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.2%us, 0.0%sy, 0.0%ni, 74.5%id, 0.2%wa, 0.0%hi, 25.2%si, 0.0%st
Mem: 8148056k total, 641540k used, 7506516k free, 106008k buffers
Swap: 19802108k total, 0k used, 19802108k free, 334032k cached

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

top - 17:36:47 up 1:14, 3 users, load average: 1.27, 0.74, 0.39
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.0%us, 0.0%sy, 0.0%ni, 75.2%id, 0.0%wa, 0.0%hi, 24.8%si, 0.0%st
Mem: 8148056k total, 640796k used, 7507260k free, 106008k buffers
Swap: 19802108k total, 0k used, 19802108k free, 332700k cached

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

top - 17:36:50 up 1:14, 3 users, load average: 1.27, 0.74, 0.39
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.0%us, 0.0%sy, 0.0%ni, 74.2%id, 0.3%wa, 0.0%hi, 25.5%si, 0.0%st

Mem: 8148056k total, 640796k used, 7507260k free, 106016k buffers
Swap: 19802108k total, 0k used, 19802108k free, 332692k cached

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

top - 17:36:53 up 1:14, 3 users, load average: 1.25, 0.75, 0.40
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.0%us, 0.0%sy, 0.0%ni, 75.5%id, 0.0%wa, 0.0%hi, 24.5%si, 0.0%st
Mem: 8148056k total, 640812k used, 7507244k free, 106016k buffers
Swap: 19802108k total, 0k used, 19802108k free, 332700k cached

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

top - 17:36:56 up 1:14, 3 users, load average: 1.25, 0.75, 0.40
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.0%us, 0.1%sy, 0.0%ni, 74.7%id, 0.2%wa, 0.0%hi, 25.1%si, 0.0%st
Mem: 8148056k total, 640796k used, 7507260k free, 106024k buffers
Swap: 19802108k total, 0k used, 19802108k free, 332692k cached

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

top - 17:36:59 up 1:14, 3 users, load average: 1.23, 0.75, 0.40
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.0%us, 0.0%sy, 0.0%ni, 75.1%id, 0.0%wa, 0.0%hi, 24.9%si, 0.0%st
Mem: 8148056k total, 640796k used, 7507260k free, 106024k buffers
Swap: 19802108k total, 0k used, 19802108k free, 332704k cached

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

top - 17:37:02 up 1:14, 3 users, load average: 1.21, 0.75, 0.40
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.1%us, 0.0%sy, 0.0%ni, 74.5%id, 0.3%wa, 0.0%hi, 25.1%si, 0.0%st
Mem: 8148056k total, 640796k used, 7507260k free, 106032k buffers
Swap: 19802108k total, 0k used, 19802108k free, 332720k cached

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

top - 17:37:05 up 1:14, 3 users, load average: 1.21, 0.75, 0.40
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.0%us, 0.0%sy, 0.0%ni, 75.2%id, 0.0%wa, 0.0%hi, 24.8%si, 0.0%st
Mem: 8148056k total, 640812k used, 7507244k free, 106032k buffers
Swap: 19802108k total, 0k used, 19802108k free, 332704k cached

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

top - 17:37:08 up 1:14, 3 users, load average: 1.19, 0.76, 0.41

```

Tasks:   1 total,    0 running,    1 sleeping,    0 stopped,    0 zombie
Cpu(s):  0.0%us,   0.0%sy,   0.0%ni,  74.5%id,   0.4%wa,   0.0%hi,  25.1%si,
0.0%st
Mem:    8148056k total,    640796k used,   7507260k free,    106040k buffers
Swap: 19802108k total,         0k used, 19802108k free,    332704k cached

```

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

```

top - 17:37:11 up  1:14,   3 users,   load average: 1.19, 0.76, 0.41
Tasks:   1 total,    0 running,    1 sleeping,    0 stopped,    0 zombie
Cpu(s):  0.0%us,   0.0%sy,   0.0%ni,  75.1%id,   0.0%wa,   0.0%hi,  24.9%si,
0.0%st
Mem:    8148056k total,    640812k used,   7507244k free,    106040k buffers
Swap: 19802108k total,         0k used, 19802108k free,    332704k cached

```

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

```

top - 17:37:14 up  1:14,   3 users,   load average: 1.18, 0.76, 0.41
Tasks:   1 total,    0 running,    1 sleeping,    0 stopped,    0 zombie
Cpu(s):  0.1%us,   0.1%sy,   0.0%ni,  74.5%id,   0.4%wa,   0.0%hi,  24.9%si,
0.0%st
Mem:    8148056k total,    640796k used,   7507260k free,    106048k buffers
Swap: 19802108k total,         0k used, 19802108k free,    332704k cached

```

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

```

top - 17:37:17 up  1:14,   3 users,   load average: 1.16, 0.77, 0.41
Tasks:   1 total,    0 running,    1 sleeping,    0 stopped,    0 zombie
Cpu(s):  0.3%us,   0.0%sy,   0.0%ni,  74.5%id,   0.0%wa,   0.0%hi,  25.2%si,
0.0%st
Mem:    8148056k total,    641532k used,   7506524k free,    106048k buffers
Swap: 19802108k total,         0k used, 19802108k free,    334072k cached

```

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

```

top - 17:37:20 up  1:15,   3 users,   load average: 1.16, 0.77, 0.41
Tasks:   1 total,    0 running,    1 sleeping,    0 stopped,    0 zombie
Cpu(s):  0.0%us,   0.0%sy,   0.0%ni,  74.6%id,   0.4%wa,   0.0%hi,  25.0%si,
0.0%st
Mem:    8148056k total,    640672k used,   7507384k free,    106056k buffers
Swap: 19802108k total,         0k used, 19802108k free,    332696k cached

```

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

```

top - 17:37:23 up  1:15,   3 users,   load average: 1.15, 0.77, 0.41
Tasks:   1 total,    0 running,    1 sleeping,    0 stopped,    0 zombie
Cpu(s):  0.2%us,   0.1%sy,   0.0%ni,  75.0%id,   0.0%wa,   0.0%hi,  24.7%si,
0.0%st
Mem:    8148056k total,    641540k used,   7506516k free,    106056k buffers
Swap: 19802108k total,         0k used, 19802108k free,    334120k cached

```

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

```
top - 17:37:26 up 1:15, 3 users, load average: 1.15, 0.77, 0.41
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.2%us, 0.1%sy, 0.0%ni, 73.7%id, 0.7%wa, 0.0%hi, 25.4%si, 0.0%st
Mem: 8148056k total, 641144k used, 7506912k free, 106064k buffers
Swap: 19802108k total, 0k used, 19802108k free, 334044k cached
```

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

```
top - 17:37:29 up 1:15, 3 users, load average: 1.22, 0.79, 0.42
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.0%us, 0.0%sy, 0.0%ni, 75.0%id, 0.0%wa, 0.0%hi, 25.0%si, 0.0%st
Mem: 8148056k total, 640316k used, 7507740k free, 106064k buffers
Swap: 19802108k total, 0k used, 19802108k free, 332708k cached
```

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

```
top - 17:37:32 up 1:15, 3 users, load average: 1.20, 0.79, 0.43
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.2%us, 0.0%sy, 0.0%ni, 74.7%id, 0.2%wa, 0.0%hi, 24.9%si, 0.0%st
Mem: 8148056k total, 641400k used, 7506656k free, 106072k buffers
Swap: 19802108k total, 0k used, 19802108k free, 334116k cached
```

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

```
top - 17:37:35 up 1:15, 3 users, load average: 1.20, 0.79, 0.43
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.2%us, 0.1%sy, 0.0%ni, 74.6%id, 0.0%wa, 0.0%hi, 25.1%si, 0.0%st
Mem: 8148056k total, 641432k used, 7506624k free, 106072k buffers
Swap: 19802108k total, 0k used, 19802108k free, 333988k cached
```

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

```
top - 17:37:38 up 1:15, 3 users, load average: 1.19, 0.80, 0.43
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.2%us, 0.1%sy, 0.0%ni, 73.8%id, 0.3%wa, 0.0%hi, 25.6%si, 0.0%st
Mem: 8148056k total, 641540k used, 7506516k free, 106080k buffers
Swap: 19802108k total, 0k used, 19802108k free, 334004k cached
```

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

```
top - 17:37:41 up 1:15, 3 users, load average: 1.19, 0.80, 0.43
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.3%us, 0.0%sy, 0.0%ni, 75.3%id, 0.0%wa, 0.0%hi, 24.3%si, 0.0%st
Mem: 8148056k total, 641432k used, 7506624k free, 106080k buffers
Swap: 19802108k total, 0k used, 19802108k free, 334080k cached
```

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

top - 17:37:44 up 1:15, 3 users, load average: 1.17, 0.80, 0.43
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.3%us, 0.1%sy, 0.0%ni, 74.3%id, 0.3%wa, 0.0%hi, 25.1%si, 0.0%st
Mem: 8148056k total, 641308k used, 7506748k free, 106088k buffers
Swap: 19802108k total, 0k used, 19802108k free, 334084k cached

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

top - 17:37:47 up 1:15, 3 users, load average: 1.24, 0.82, 0.44
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.0%us, 0.0%sy, 0.0%ni, 75.1%id, 0.0%wa, 0.0%hi, 24.9%si, 0.0%st
Mem: 8148056k total, 640440k used, 7507616k free, 106088k buffers
Swap: 19802108k total, 0k used, 19802108k free, 332716k cached

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

top - 17:37:50 up 1:15, 3 users, load average: 1.24, 0.82, 0.44
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.0%us, 0.0%sy, 0.0%ni, 74.6%id, 0.2%wa, 0.0%hi, 25.2%si, 0.0%st
Mem: 8148056k total, 640424k used, 7507632k free, 106096k buffers
Swap: 19802108k total, 0k used, 19802108k free, 332708k cached

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

top - 17:37:53 up 1:15, 3 users, load average: 1.22, 0.82, 0.44
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.1%us, 0.0%sy, 0.0%ni, 75.1%id, 0.0%wa, 0.0%hi, 24.8%si, 0.0%st
Mem: 8148056k total, 640440k used, 7507616k free, 106096k buffers
Swap: 19802108k total, 0k used, 19802108k free, 332716k cached

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

top - 17:37:56 up 1:15, 3 users, load average: 1.22, 0.82, 0.44
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.0%us, 0.0%sy, 0.0%ni, 74.6%id, 0.2%wa, 0.0%hi, 25.2%si, 0.0%st
Mem: 8148056k total, 640424k used, 7507632k free, 106104k buffers
Swap: 19802108k total, 0k used, 19802108k free, 332708k cached

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

top - 17:37:59 up 1:15, 3 users, load average: 1.20, 0.83, 0.45
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie

```
Cpu(s):  0.0%us,  0.0%sy,  0.0%ni, 75.2%id,  0.0%wa,  0.0%hi, 24.8%si,
0.0%st
Mem:   8148056k total,   640424k used,  7507632k free,   106104k buffers
Swap: 19802108k total,         0k used, 19802108k free,   332716k cached
```

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

```
top - 17:38:02 up  1:15,  3 users,  load average: 1.18, 0.83, 0.45
Tasks:  1 total,  0 running,  1 sleeping,  0 stopped,  0 zombie
Cpu(s):  0.0%us,  0.0%sy,  0.0%ni, 74.6%id,  0.2%wa,  0.0%hi, 25.2%si,
0.0%st
Mem:   8148056k total,   640176k used,  7507880k free,   106112k buffers
Swap: 19802108k total,         0k used, 19802108k free,   332732k cached
```

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

```
top - 17:38:05 up  1:15,  3 users,  load average: 1.18, 0.83, 0.45
Tasks:  1 total,  0 running,  1 sleeping,  0 stopped,  0 zombie
Cpu(s):  0.0%us,  0.0%sy,  0.0%ni, 75.2%id,  0.0%wa,  0.0%hi, 24.8%si,
0.0%st
Mem:   8148056k total,   640192k used,  7507864k free,   106112k buffers
Swap: 19802108k total,         0k used, 19802108k free,   332716k cached
```

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

```
top - 17:38:08 up  1:15,  3 users,  load average: 1.17, 0.83, 0.45
Tasks:  1 total,  0 running,  1 sleeping,  0 stopped,  0 zombie
Cpu(s):  0.0%us,  0.0%sy,  0.0%ni, 74.5%id,  0.3%wa,  0.0%hi, 25.1%si,
0.0%st
Mem:   8148056k total,   640192k used,  7507864k free,   106120k buffers
Swap: 19802108k total,         0k used, 19802108k free,   332712k cached
```

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

```
top - 17:38:11 up  1:15,  3 users,  load average: 1.17, 0.83, 0.45
Tasks:  1 total,  0 running,  1 sleeping,  0 stopped,  0 zombie
Cpu(s):  0.0%us,  0.0%sy,  0.0%ni, 75.1%id,  0.0%wa,  0.0%hi, 24.9%si,
0.0%st
Mem:   8148056k total,   640176k used,  7507880k free,   106120k buffers
Swap: 19802108k total,         0k used, 19802108k free,   332720k cached
```

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

```
top - 17:38:14 up  1:15,  3 users,  load average: 1.16, 0.84, 0.45
Tasks:  1 total,  0 running,  1 sleeping,  0 stopped,  0 zombie
Cpu(s):  0.0%us,  0.1%sy,  0.0%ni, 74.6%id,  0.2%wa,  0.0%hi, 25.2%si,
0.0%st
Mem:   8148056k total,   640192k used,  7507864k free,   106128k buffers
Swap: 19802108k total,         0k used, 19802108k free,   332712k cached
```

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |


```
top - 17:38:17 up 1:15, 3 users, load average: 1.22, 0.86, 0.46
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.0%us, 0.0%sy, 0.0%ni, 75.2%id, 0.0%wa, 0.0%hi, 24.8%si,
0.0%st
Mem: 8148056k total, 640192k used, 7507864k free, 106128k buffers
Swap: 19802108k total, 0k used, 19802108k free, 332720k cached
```

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

```
top - 17:38:20 up 1:16, 3 users, load average: 1.22, 0.86, 0.46
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.0%us, 0.0%sy, 0.0%ni, 74.6%id, 0.2%wa, 0.0%hi, 25.2%si,
0.0%st
Mem: 8148056k total, 640176k used, 7507880k free, 106136k buffers
Swap: 19802108k total, 0k used, 19802108k free, 332712k cached
```

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

```
top - 17:38:23 up 1:16, 3 users, load average: 1.21, 0.86, 0.47
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.1%us, 0.0%sy, 0.0%ni, 75.0%id, 0.0%wa, 0.0%hi, 24.9%si,
0.0%st
Mem: 8148056k total, 640192k used, 7507864k free, 106136k buffers
Swap: 19802108k total, 0k used, 19802108k free, 332720k cached
```

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

```
top - 17:38:26 up 1:16, 3 users, load average: 1.21, 0.86, 0.47
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.0%us, 0.0%sy, 0.0%ni, 74.4%id, 0.5%wa, 0.0%hi, 25.1%si,
0.0%st
Mem: 8148056k total, 640300k used, 7507756k free, 106144k buffers
Swap: 19802108k total, 0k used, 19802108k free, 332712k cached
```

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

```
top - 17:38:29 up 1:16, 3 users, load average: 1.19, 0.86, 0.47
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.0%us, 0.0%sy, 0.0%ni, 75.1%id, 0.0%wa, 0.0%hi, 24.9%si,
0.0%st
Mem: 8148056k total, 640300k used, 7507756k free, 106144k buffers
Swap: 19802108k total, 0k used, 19802108k free, 332720k cached
```

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

```
top - 17:38:32 up 1:16, 3 users, load average: 1.17, 0.86, 0.47
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.0%us, 0.0%sy, 0.0%ni, 74.5%id, 0.3%wa, 0.0%hi, 25.1%si,
0.0%st
Mem: 8148056k total, 640316k used, 7507740k free, 106152k buffers
Swap: 19802108k total, 0k used, 19802108k free, 332716k cached
```

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

top - 17:38:35 up 1:16, 3 users, load average: 1.17, 0.86, 0.47
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.0%us, 0.1%sy, 0.0%ni, 75.0%id, 0.0%wa, 0.0%hi, 24.9%si, 0.0%st
Mem: 8148056k total, 640316k used, 7507740k free, 106152k buffers
Swap: 19802108k total, 0k used, 19802108k free, 332724k cached

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

top - 17:38:38 up 1:16, 3 users, load average: 1.16, 0.87, 0.47
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.0%us, 0.0%sy, 0.0%ni, 74.7%id, 0.2%wa, 0.0%hi, 25.2%si, 0.0%st
Mem: 8148056k total, 640316k used, 7507740k free, 106160k buffers
Swap: 19802108k total, 0k used, 19802108k free, 332716k cached

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

top - 17:38:41 up 1:16, 3 users, load average: 1.16, 0.87, 0.47
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.0%us, 0.1%sy, 0.0%ni, 75.1%id, 0.0%wa, 0.0%hi, 24.8%si, 0.0%st
Mem: 8148056k total, 640316k used, 7507740k free, 106160k buffers
Swap: 19802108k total, 0k used, 19802108k free, 332724k cached

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

top - 17:38:44 up 1:16, 3 users, load average: 1.15, 0.87, 0.48
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.0%us, 0.0%sy, 0.0%ni, 74.6%id, 0.2%wa, 0.0%hi, 25.2%si, 0.0%st
Mem: 8148056k total, 640300k used, 7507756k free, 106168k buffers
Swap: 19802108k total, 0k used, 19802108k free, 332716k cached

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

top - 17:38:47 up 1:16, 3 users, load average: 1.22, 0.89, 0.49
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.0%us, 0.0%sy, 0.0%ni, 75.1%id, 0.0%wa, 0.0%hi, 24.9%si, 0.0%st
Mem: 8148056k total, 640300k used, 7507756k free, 106168k buffers
Swap: 19802108k total, 0k used, 19802108k free, 332724k cached

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

top - 17:38:50 up 1:16, 3 users, load average: 1.22, 0.89, 0.49
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.0%us, 0.0%sy, 0.0%ni, 74.8%id, 0.2%wa, 0.0%hi, 24.9%si, 0.0%st

Mem: 8148056k total, 640300k used, 7507756k free, 106176k buffers
Swap: 19802108k total, 0k used, 19802108k free, 332720k cached

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

top - 17:38:53 up 1:16, 3 users, load average: 1.20, 0.89, 0.49
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.0%us, 0.0%sy, 0.0%ni, 74.9%id, 0.0%wa, 0.0%hi, 25.1%si, 0.0%st
Mem: 8148056k total, 640316k used, 7507740k free, 106176k buffers
Swap: 19802108k total, 0k used, 19802108k free, 332724k cached

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

top - 17:38:56 up 1:16, 3 users, load average: 1.20, 0.89, 0.49
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.0%us, 0.0%sy, 0.0%ni, 74.7%id, 0.2%wa, 0.0%hi, 25.1%si, 0.0%st
Mem: 8148056k total, 640316k used, 7507740k free, 106184k buffers
Swap: 19802108k total, 0k used, 19802108k free, 332720k cached

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

top - 17:38:59 up 1:16, 3 users, load average: 1.18, 0.89, 0.49
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.0%us, 0.0%sy, 0.0%ni, 75.2%id, 0.0%wa, 0.0%hi, 24.8%si, 0.0%st
Mem: 8148056k total, 640316k used, 7507740k free, 106184k buffers
Swap: 19802108k total, 0k used, 19802108k free, 332728k cached

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

top - 17:39:02 up 1:16, 3 users, load average: 1.17, 0.89, 0.50
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.1%us, 0.0%sy, 0.0%ni, 74.4%id, 0.3%wa, 0.0%hi, 25.2%si, 0.0%st
Mem: 8148056k total, 640300k used, 7507756k free, 106192k buffers
Swap: 19802108k total, 0k used, 19802108k free, 332744k cached

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

top - 17:39:05 up 1:16, 3 users, load average: 1.17, 0.89, 0.50
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.0%us, 0.0%sy, 0.0%ni, 75.1%id, 0.0%wa, 0.0%hi, 24.9%si, 0.0%st
Mem: 8148056k total, 640316k used, 7507740k free, 106192k buffers
Swap: 19802108k total, 0k used, 19802108k free, 332728k cached

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

top - 17:39:08 up 1:16, 3 users, load average: 1.15, 0.89, 0.50

```

Tasks:   1 total,    0 running,    1 sleeping,    0 stopped,    0 zombie
Cpu(s):  0.0%us,   0.1%sy,   0.0%ni,  74.6%id,   0.3%wa,   0.0%hi,  25.1%si,
0.0%st
Mem:    8148056k total,    640316k used,   7507740k free,    106200k buffers
Swap: 19802108k total,         0k used, 19802108k free,    332720k cached

```

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

```

top - 17:39:11 up  1:16,   3 users,   load average: 1.15, 0.89, 0.50
Tasks:   1 total,    0 running,    1 sleeping,    0 stopped,    0 zombie
Cpu(s):  0.0%us,   0.0%sy,   0.0%ni,  75.1%id,   0.0%wa,   0.0%hi,  24.9%si,
0.0%st
Mem:    8148056k total,    640316k used,   7507740k free,    106200k buffers
Swap: 19802108k total,         0k used, 19802108k free,    332728k cached

```

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

```

top - 17:39:14 up  1:16,   3 users,   load average: 1.14, 0.90, 0.50
Tasks:   1 total,    0 running,    1 sleeping,    0 stopped,    0 zombie
Cpu(s):  0.0%us,   0.0%sy,   0.0%ni,  74.5%id,   0.4%wa,   0.0%hi,  25.0%si,
0.0%st
Mem:    8148056k total,    640300k used,   7507756k free,    106208k buffers
Swap: 19802108k total,         0k used, 19802108k free,    332720k cached

```

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

```

top - 17:39:17 up  1:16,   3 users,   load average: 1.21, 0.91, 0.51
Tasks:   1 total,    0 running,    1 sleeping,    0 stopped,    0 zombie
Cpu(s):  0.0%us,   0.0%sy,   0.0%ni,  75.0%id,   0.0%wa,   0.0%hi,  25.0%si,
0.0%st
Mem:    8148056k total,    640300k used,   7507756k free,    106208k buffers
Swap: 19802108k total,         0k used, 19802108k free,    332728k cached

```

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

```

top - 17:39:20 up  1:17,   3 users,   load average: 1.21, 0.91, 0.51
Tasks:   1 total,    0 running,    1 sleeping,    0 stopped,    0 zombie
Cpu(s):  0.0%us,   0.0%sy,   0.0%ni,  74.6%id,   0.3%wa,   0.0%hi,  25.1%si,
0.0%st
Mem:    8148056k total,    640300k used,   7507756k free,    106216k buffers
Swap: 19802108k total,         0k used, 19802108k free,    332724k cached

```

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

```

top - 17:39:23 up  1:17,   3 users,   load average: 1.19, 0.92, 0.51
Tasks:   1 total,    0 running,    1 sleeping,    0 stopped,    0 zombie
Cpu(s):  0.0%us,   0.1%sy,   0.0%ni,  75.0%id,   0.0%wa,   0.0%hi,  24.9%si,
0.0%st
Mem:    8148056k total,    640316k used,   7507740k free,    106216k buffers
Swap: 19802108k total,         0k used, 19802108k free,    332732k cached

```

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

```
top - 17:39:26 up 1:17, 3 users, load average: 1.19, 0.92, 0.51
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.0%us, 0.0%sy, 0.0%ni, 74.5%id, 0.6%wa, 0.0%hi, 25.0%si, 0.0%st
Mem: 8148056k total, 640316k used, 7507740k free, 106224k buffers
Swap: 19802108k total, 0k used, 19802108k free, 332728k cached
```

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

```
top - 17:39:29 up 1:17, 3 users, load average: 1.18, 0.92, 0.51
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.0%us, 0.0%sy, 0.0%ni, 75.0%id, 0.0%wa, 0.0%hi, 25.0%si, 0.0%st
Mem: 8148056k total, 640316k used, 7507740k free, 106224k buffers
Swap: 19802108k total, 0k used, 19802108k free, 332732k cached
```

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

```
top - 17:39:32 up 1:17, 3 users, load average: 1.16, 0.92, 0.52
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.0%us, 0.0%sy, 0.0%ni, 74.6%id, 0.3%wa, 0.0%hi, 25.1%si, 0.0%st
Mem: 8148056k total, 640316k used, 7507740k free, 106232k buffers
Swap: 19802108k total, 0k used, 19802108k free, 332724k cached
```

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

```
top - 17:39:35 up 1:17, 3 users, load average: 1.16, 0.92, 0.52
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.0%us, 0.0%sy, 0.0%ni, 75.0%id, 0.0%wa, 0.0%hi, 25.0%si, 0.0%st
Mem: 8148056k total, 640316k used, 7507740k free, 106232k buffers
Swap: 19802108k total, 0k used, 19802108k free, 332732k cached
```

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

```
top - 17:39:38 up 1:17, 3 users, load average: 1.15, 0.92, 0.52
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.0%us, 0.1%sy, 0.0%ni, 74.6%id, 0.2%wa, 0.0%hi, 25.1%si, 0.0%st
Mem: 8148056k total, 640316k used, 7507740k free, 106240k buffers
Swap: 19802108k total, 0k used, 19802108k free, 332724k cached
```

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

```
top - 17:39:41 up 1:17, 3 users, load average: 1.15, 0.92, 0.52
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.0%us, 0.0%sy, 0.0%ni, 75.1%id, 0.0%wa, 0.0%hi, 24.9%si, 0.0%st
Mem: 8148056k total, 640300k used, 7507756k free, 106240k buffers
Swap: 19802108k total, 0k used, 19802108k free, 332736k cached
```

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

```
top - 17:39:44 up 1:17, 3 users, load average: 1.14, 0.92, 0.52
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.0%us, 0.0%sy, 0.0%ni, 74.6%id, 0.3%wa, 0.0%hi, 25.0%si, 0.0%st
Mem: 8148056k total, 640440k used, 7507616k free, 106248k buffers
Swap: 19802108k total, 0k used, 19802108k free, 332728k cached
```

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

```
top - 17:39:47 up 1:17, 3 users, load average: 1.21, 0.94, 0.53
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.0%us, 0.1%sy, 0.0%ni, 75.0%id, 0.0%wa, 0.0%hi, 24.9%si, 0.0%st
Mem: 8148056k total, 640440k used, 7507616k free, 106248k buffers
Swap: 19802108k total, 0k used, 19802108k free, 332736k cached
```

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

```
top - 17:39:50 up 1:17, 3 users, load average: 1.21, 0.94, 0.53
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.0%us, 0.0%sy, 0.0%ni, 74.7%id, 0.2%wa, 0.0%hi, 25.1%si, 0.0%st
Mem: 8148056k total, 640424k used, 7507632k free, 106256k buffers
Swap: 19802108k total, 0k used, 19802108k free, 332728k cached
```

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

```
top - 17:39:53 up 1:17, 3 users, load average: 1.19, 0.94, 0.53
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.0%us, 0.0%sy, 0.0%ni, 75.0%id, 0.0%wa, 0.0%hi, 25.0%si, 0.0%st
Mem: 8148056k total, 640440k used, 7507616k free, 106256k buffers
Swap: 19802108k total, 0k used, 19802108k free, 332736k cached
```

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

```
top - 17:39:56 up 1:17, 3 users, load average: 1.19, 0.94, 0.53
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.0%us, 0.0%sy, 0.0%ni, 74.8%id, 0.2%wa, 0.0%hi, 25.1%si, 0.0%st
Mem: 8148056k total, 640440k used, 7507616k free, 106264k buffers
Swap: 19802108k total, 0k used, 19802108k free, 332728k cached
```

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

```
top - 17:39:59 up 1:17, 3 users, load average: 1.18, 0.94, 0.53
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
```

```
Cpu(s):  0.0%us,  0.0%sy,  0.0%ni, 75.1%id,  0.0%wa,  0.0%hi, 24.9%si,
0.0%st
Mem:   8148056k total,   640424k used,  7507632k free,   106268k buffers
Swap: 19802108k total,         0k used, 19802108k free,   332736k cached
```

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

```
top - 17:40:02 up  1:17,  3 users,  load average: 1.16, 0.94, 0.54
Tasks:  1 total,  0 running,  1 sleeping,  0 stopped,  0 zombie
Cpu(s):  0.1%us,  0.0%sy,  0.0%ni, 74.5%id,  0.4%wa,  0.0%hi, 25.0%si,
0.0%st
Mem:   8148056k total,   640424k used,  7507632k free,   106276k buffers
Swap: 19802108k total,         0k used, 19802108k free,   332752k cached
```

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

```
top - 17:40:05 up  1:17,  3 users,  load average: 1.16, 0.94, 0.54
Tasks:  1 total,  0 running,  1 sleeping,  0 stopped,  0 zombie
Cpu(s):  0.0%us,  0.0%sy,  0.0%ni, 75.0%id,  0.0%wa,  0.0%hi, 25.0%si,
0.0%st
Mem:   8148056k total,   640424k used,  7507632k free,   106276k buffers
Swap: 19802108k total,         0k used, 19802108k free,   332740k cached
```

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

```
top - 17:40:08 up  1:17,  3 users,  load average: 1.15, 0.94, 0.54
Tasks:  1 total,  0 running,  1 sleeping,  0 stopped,  0 zombie
Cpu(s):  0.1%us,  0.0%sy,  0.0%ni, 74.6%id,  0.3%wa,  0.0%hi, 25.0%si,
0.0%st
Mem:   8148056k total,   640424k used,  7507632k free,   106284k buffers
Swap: 19802108k total,         0k used, 19802108k free,   332732k cached
```

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

```
top - 17:40:11 up  1:17,  3 users,  load average: 1.15, 0.94, 0.54
Tasks:  1 total,  0 running,  1 sleeping,  0 stopped,  0 zombie
Cpu(s):  0.0%us,  0.0%sy,  0.0%ni, 74.9%id,  0.0%wa,  0.0%hi, 25.1%si,
0.0%st
Mem:   8148056k total,   640424k used,  7507632k free,   106284k buffers
Swap: 19802108k total,         0k used, 19802108k free,   332740k cached
```

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

```
top - 17:40:14 up  1:17,  3 users,  load average: 1.14, 0.94, 0.54
Tasks:  1 total,  0 running,  1 sleeping,  0 stopped,  0 zombie
Cpu(s):  0.0%us,  0.0%sy,  0.0%ni, 74.8%id,  0.2%wa,  0.0%hi, 25.0%si,
0.0%st
Mem:   8148056k total,   640440k used,  7507616k free,   106292k buffers
Swap: 19802108k total,         0k used, 19802108k free,   332732k cached
```

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

```
top - 17:40:17 up 1:17, 3 users, load average: 1.13, 0.95, 0.54
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.0%us, 0.1%sy, 0.0%ni, 75.1%id, 0.0%wa, 0.0%hi, 24.8%si,
0.0%st
Mem: 8148056k total, 640424k used, 7507632k free, 106292k buffers
Swap: 19802108k total, 0k used, 19802108k free, 332740k cached
```

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

```
top - 17:40:20 up 1:18, 3 users, load average: 1.13, 0.95, 0.54
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.0%us, 0.1%sy, 0.0%ni, 74.7%id, 0.2%wa, 0.0%hi, 25.1%si,
0.0%st
Mem: 8148056k total, 640440k used, 7507616k free, 106300k buffers
Swap: 19802108k total, 0k used, 19802108k free, 332732k cached
```

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

```
top - 17:40:23 up 1:18, 3 users, load average: 1.12, 0.95, 0.55
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.0%us, 0.0%sy, 0.0%ni, 75.0%id, 0.0%wa, 0.0%hi, 25.0%si,
0.0%st
Mem: 8148056k total, 640548k used, 7507508k free, 106300k buffers
Swap: 19802108k total, 0k used, 19802108k free, 332744k cached
```

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

```
top - 17:40:26 up 1:18, 3 users, load average: 1.12, 0.95, 0.55
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.0%us, 0.0%sy, 0.0%ni, 74.5%id, 0.6%wa, 0.0%hi, 25.0%si,
0.0%st
Mem: 8148056k total, 640548k used, 7507508k free, 106308k buffers
Swap: 19802108k total, 0k used, 19802108k free, 332736k cached
```

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

```
top - 17:40:29 up 1:18, 3 users, load average: 1.11, 0.95, 0.55
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.0%us, 0.0%sy, 0.0%ni, 75.0%id, 0.0%wa, 0.0%hi, 25.0%si,
0.0%st
Mem: 8148056k total, 640548k used, 7507508k free, 106308k buffers
Swap: 19802108k total, 0k used, 19802108k free, 332748k cached
```

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

```
top - 17:40:32 up 1:18, 3 users, load average: 1.10, 0.95, 0.55
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.0%us, 0.0%sy, 0.0%ni, 74.7%id, 0.3%wa, 0.0%hi, 24.9%si,
0.0%st
Mem: 8148056k total, 640548k used, 7507508k free, 106316k buffers
Swap: 19802108k total, 0k used, 19802108k free, 332744k cached
```


| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

top - 17:40:35 up 1:18, 3 users, load average: 1.10, 0.95, 0.55
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.0%us, 0.0%sy, 0.0%ni, 75.0%id, 0.0%wa, 0.0%hi, 25.0%si, 0.0%st
Mem: 8148056k total, 640564k used, 7507492k free, 106316k buffers
Swap: 19802108k total, 0k used, 19802108k free, 332748k cached

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

top - 17:40:38 up 1:18, 3 users, load average: 1.09, 0.95, 0.55
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.0%us, 0.1%sy, 0.0%ni, 74.4%id, 0.4%wa, 0.0%hi, 25.1%si, 0.0%st
Mem: 8148056k total, 640548k used, 7507508k free, 106324k buffers
Swap: 19802108k total, 0k used, 19802108k free, 332740k cached

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

top - 17:40:41 up 1:18, 3 users, load average: 1.09, 0.95, 0.55
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.0%us, 0.0%sy, 0.0%ni, 75.0%id, 0.0%wa, 0.0%hi, 25.0%si, 0.0%st
Mem: 8148056k total, 640564k used, 7507492k free, 106324k buffers
Swap: 19802108k total, 0k used, 19802108k free, 332748k cached

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

top - 17:40:44 up 1:18, 3 users, load average: 1.08, 0.95, 0.56
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.0%us, 0.0%sy, 0.0%ni, 74.6%id, 0.4%wa, 0.0%hi, 24.9%si, 0.0%st
Mem: 8148056k total, 640564k used, 7507492k free, 106332k buffers
Swap: 19802108k total, 0k used, 19802108k free, 332740k cached

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

top - 17:40:47 up 1:18, 3 users, load average: 1.08, 0.95, 0.56
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.0%us, 0.1%sy, 0.0%ni, 74.9%id, 0.0%wa, 0.0%hi, 25.0%si, 0.0%st
Mem: 8148056k total, 640548k used, 7507508k free, 106332k buffers
Swap: 19802108k total, 0k used, 19802108k free, 332748k cached

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

top - 17:40:50 up 1:18, 3 users, load average: 1.08, 0.95, 0.56
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.0%us, 0.0%sy, 0.0%ni, 74.7%id, 0.3%wa, 0.0%hi, 25.0%si, 0.0%st

Mem: 8148056k total, 640564k used, 7507492k free, 106340k buffers
Swap: 19802108k total, 0k used, 19802108k free, 332740k cached

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

top - 17:40:53 up 1:18, 3 users, load average: 1.07, 0.95, 0.56
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.0%us, 0.0%sy, 0.0%ni, 74.9%id, 0.0%wa, 0.0%hi, 25.1%si, 0.0%st
Mem: 8148056k total, 640548k used, 7507508k free, 106340k buffers
Swap: 19802108k total, 0k used, 19802108k free, 332752k cached

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

top - 17:40:56 up 1:18, 3 users, load average: 1.07, 0.95, 0.56
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.0%us, 0.1%sy, 0.0%ni, 74.6%id, 0.4%wa, 0.0%hi, 24.9%si, 0.0%st
Mem: 8148056k total, 640564k used, 7507492k free, 106348k buffers
Swap: 19802108k total, 0k used, 19802108k free, 332744k cached

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

top - 17:40:59 up 1:18, 3 users, load average: 1.06, 0.95, 0.56
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.1%us, 0.0%sy, 0.0%ni, 74.8%id, 0.0%wa, 0.0%hi, 25.1%si, 0.0%st
Mem: 8148056k total, 640548k used, 7507508k free, 106348k buffers
Swap: 19802108k total, 0k used, 19802108k free, 332752k cached

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

top - 17:41:02 up 1:18, 3 users, load average: 1.06, 0.95, 0.57
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.1%us, 0.1%sy, 0.0%ni, 74.5%id, 0.4%wa, 0.0%hi, 24.9%si, 0.0%st
Mem: 8148056k total, 640548k used, 7507508k free, 106356k buffers
Swap: 19802108k total, 0k used, 19802108k free, 332768k cached

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

top - 17:41:05 up 1:18, 3 users, load average: 1.06, 0.95, 0.57
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.0%us, 0.0%sy, 0.0%ni, 75.5%id, 0.0%wa, 0.0%hi, 24.5%si, 0.0%st
Mem: 8148056k total, 640424k used, 7507632k free, 106356k buffers
Swap: 19802108k total, 0k used, 19802108k free, 332752k cached

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

top - 17:41:08 up 1:18, 3 users, load average: 1.05, 0.96, 0.57

```

Tasks:   1 total,    0 running,    1 sleeping,    0 stopped,    0 zombie
Cpu(s):  0.0%us,   0.0%sy,   0.0%ni,  74.2%id,   0.4%wa,   0.0%hi,  25.3%si,
0.0%st
Mem:    8148056k total,    640424k used,   7507632k free,    106364k buffers
Swap: 19802108k total,         0k used, 19802108k free,    332748k cached

```

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

```

top - 17:41:11 up  1:18,   3 users,   load average: 1.05, 0.96, 0.57
Tasks:   1 total,    0 running,    1 sleeping,    0 stopped,    0 zombie
Cpu(s):  0.0%us,   0.0%sy,   0.0%ni,  75.3%id,   0.0%wa,   0.0%hi,  24.7%si,
0.0%st
Mem:    8148056k total,    640440k used,   7507616k free,    106364k buffers
Swap: 19802108k total,         0k used, 19802108k free,    332752k cached

```

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

```

top - 17:41:14 up  1:18,   3 users,   load average: 1.05, 0.96, 0.57
Tasks:   1 total,    0 running,    1 sleeping,    0 stopped,    0 zombie
Cpu(s):  0.0%us,   0.0%sy,   0.0%ni,  74.2%id,   0.3%wa,   0.0%hi,  25.5%si,
0.0%st
Mem:    8148056k total,    640424k used,   7507632k free,    106372k buffers
Swap: 19802108k total,         0k used, 19802108k free,    332744k cached

```

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

```

top - 17:41:17 up  1:18,   3 users,   load average: 1.05, 0.96, 0.57
Tasks:   1 total,    0 running,    1 sleeping,    0 stopped,    0 zombie
Cpu(s):  0.0%us,   0.0%sy,   0.0%ni,  75.5%id,   0.0%wa,   0.0%hi,  24.5%si,
0.0%st
Mem:    8148056k total,    640440k used,   7507616k free,    106372k buffers
Swap: 19802108k total,         0k used, 19802108k free,    332756k cached

```

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

```

top - 17:41:20 up  1:19,   3 users,   load average: 1.05, 0.96, 0.57
Tasks:   1 total,    0 running,    1 sleeping,    0 stopped,    0 zombie
Cpu(s):  0.0%us,   0.0%sy,   0.0%ni,  74.2%id,   0.4%wa,   0.0%hi,  25.4%si,
0.0%st
Mem:    8148056k total,    640564k used,   7507492k free,    106380k buffers
Swap: 19802108k total,         0k used, 19802108k free,    332748k cached

```

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

```

top - 17:41:23 up  1:19,   3 users,   load average: 1.04, 0.96, 0.58
Tasks:   1 total,    0 running,    1 sleeping,    0 stopped,    0 zombie
Cpu(s):  0.0%us,   0.0%sy,   0.0%ni,  75.4%id,   0.0%wa,   0.0%hi,  24.6%si,
0.0%st
Mem:    8148056k total,    640564k used,   7507492k free,    106380k buffers
Swap: 19802108k total,         0k used, 19802108k free,    332756k cached

```

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

```

top - 17:41:26 up 1:19, 3 users, load average: 1.04, 0.96, 0.58
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.0%us, 0.0%sy, 0.0%ni, 74.0%id, 0.5%wa, 0.0%hi, 25.5%si, 0.0%st
Mem: 8148056k total, 640564k used, 7507492k free, 106388k buffers
Swap: 19802108k total, 0k used, 19802108k free, 332748k cached

```

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

```

top - 17:41:29 up 1:19, 3 users, load average: 1.04, 0.96, 0.58
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.0%us, 0.0%sy, 0.0%ni, 75.9%id, 0.0%wa, 0.0%hi, 24.1%si, 0.0%st
Mem: 8148056k total, 640548k used, 7507508k free, 106388k buffers
Swap: 19802108k total, 0k used, 19802108k free, 332756k cached

```

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

```

top - 17:41:32 up 1:19, 3 users, load average: 1.04, 0.96, 0.58
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.0%us, 0.1%sy, 0.0%ni, 73.5%id, 0.4%wa, 0.0%hi, 26.0%si, 0.0%st
Mem: 8148056k total, 640672k used, 7507384k free, 106396k buffers
Swap: 19802108k total, 0k used, 19802108k free, 332748k cached

```

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

```

top - 17:41:35 up 1:19, 3 users, load average: 1.04, 0.96, 0.58
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.1%us, 0.0%sy, 0.0%ni, 75.4%id, 0.0%wa, 0.0%hi, 24.5%si, 0.0%st
Mem: 8148056k total, 640672k used, 7507384k free, 106396k buffers
Swap: 19802108k total, 0k used, 19802108k free, 332756k cached

```

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

```

top - 17:41:38 up 1:19, 3 users, load average: 1.03, 0.96, 0.58
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.0%us, 0.0%sy, 0.0%ni, 74.1%id, 0.4%wa, 0.0%hi, 25.5%si, 0.0%st
Mem: 8148056k total, 640688k used, 7507368k free, 106404k buffers
Swap: 19802108k total, 0k used, 19802108k free, 332752k cached

```

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

```

top - 17:41:41 up 1:19, 3 users, load average: 1.03, 0.96, 0.58
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.1%us, 0.0%sy, 0.0%ni, 75.4%id, 0.0%wa, 0.0%hi, 24.5%si, 0.0%st
Mem: 8148056k total, 640672k used, 7507384k free, 106404k buffers
Swap: 19802108k total, 0k used, 19802108k free, 332760k cached

```

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

```
top - 17:41:44 up 1:19, 3 users, load average: 1.03, 0.96, 0.58
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.0%us, 0.0%sy, 0.0%ni, 74.4%id, 0.2%wa, 0.0%hi, 25.4%si, 0.0%st
Mem: 8148056k total, 640688k used, 7507368k free, 106412k buffers
Swap: 19802108k total, 0k used, 19802108k free, 332756k cached
```

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

```
top - 17:41:47 up 1:19, 3 users, load average: 1.03, 0.96, 0.59
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.0%us, 0.1%sy, 0.0%ni, 75.3%id, 0.0%wa, 0.0%hi, 24.6%si, 0.0%st
Mem: 8148056k total, 640672k used, 7507384k free, 106412k buffers
Swap: 19802108k total, 0k used, 19802108k free, 332760k cached
```

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

```
top - 17:41:50 up 1:19, 3 users, load average: 1.03, 0.96, 0.59
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.0%us, 0.0%sy, 0.0%ni, 74.4%id, 0.2%wa, 0.0%hi, 25.4%si, 0.0%st
Mem: 8148056k total, 640672k used, 7507384k free, 106420k buffers
Swap: 19802108k total, 0k used, 19802108k free, 332752k cached
```

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

```
top - 17:41:53 up 1:19, 3 users, load average: 1.03, 0.96, 0.59
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.0%us, 0.0%sy, 0.0%ni, 75.4%id, 0.0%wa, 0.0%hi, 24.6%si, 0.0%st
Mem: 8148056k total, 640688k used, 7507368k free, 106420k buffers
Swap: 19802108k total, 0k used, 19802108k free, 332760k cached
```

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

```
top - 17:41:56 up 1:19, 3 users, load average: 1.03, 0.96, 0.59
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.0%us, 0.0%sy, 0.0%ni, 74.4%id, 0.2%wa, 0.0%hi, 25.4%si, 0.0%st
Mem: 8148056k total, 640672k used, 7507384k free, 106428k buffers
Swap: 19802108k total, 0k used, 19802108k free, 332752k cached
```

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

```
top - 17:41:59 up 1:19, 3 users, load average: 1.02, 0.96, 0.59
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
```

```
Cpu(s):  0.0%us,  0.0%sy,  0.0%ni, 75.8%id,  0.0%wa,  0.0%hi, 24.2%si,
0.0%st
Mem:   8148056k total,   640672k used,  7507384k free,   106428k buffers
Swap: 19802108k total,         0k used, 19802108k free,   332760k cached
```

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

```
top - 17:42:02 up  1:19,  3 users,  load average: 1.02, 0.96, 0.59
Tasks:  1 total,  0 running,  1 sleeping,  0 stopped,  0 zombie
Cpu(s):  0.0%us,  0.0%sy,  0.0%ni, 73.7%id,  0.4%wa,  0.0%hi, 25.9%si,
0.0%st
Mem:   8148056k total,   640672k used,  7507384k free,   106436k buffers
Swap: 19802108k total,         0k used, 19802108k free,   332780k cached
```

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

```
top - 17:42:05 up  1:19,  3 users,  load average: 1.02, 0.96, 0.59
Tasks:  1 total,  0 running,  1 sleeping,  0 stopped,  0 zombie
Cpu(s):  0.0%us,  0.0%sy,  0.0%ni, 75.3%id,  0.0%wa,  0.0%hi, 24.7%si,
0.0%st
Mem:   8148056k total,   640672k used,  7507384k free,   106436k buffers
Swap: 19802108k total,         0k used, 19802108k free,   332764k cached
```

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

```
top - 17:42:08 up  1:19,  3 users,  load average: 1.02, 0.96, 0.60
Tasks:  1 total,  0 running,  1 sleeping,  0 stopped,  0 zombie
Cpu(s):  0.0%us,  0.0%sy,  0.0%ni, 74.4%id,  0.2%wa,  0.0%hi, 25.4%si,
0.0%st
Mem:   8148056k total,   640672k used,  7507384k free,   106444k buffers
Swap: 19802108k total,         0k used, 19802108k free,   332756k cached
```

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

```
top - 17:42:11 up  1:19,  3 users,  load average: 1.02, 0.96, 0.60
Tasks:  1 total,  0 running,  1 sleeping,  0 stopped,  0 zombie
Cpu(s):  0.0%us,  0.1%sy,  0.0%ni, 75.3%id,  0.0%wa,  0.0%hi, 24.6%si,
0.0%st
Mem:   8148056k total,   640688k used,  7507368k free,   106444k buffers
Swap: 19802108k total,         0k used, 19802108k free,   332764k cached
```

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

```
top - 17:42:14 up  1:19,  3 users,  load average: 1.02, 0.96, 0.60
Tasks:  1 total,  0 running,  1 sleeping,  0 stopped,  0 zombie
Cpu(s):  0.0%us,  0.0%sy,  0.0%ni, 74.3%id,  0.3%wa,  0.0%hi, 25.4%si,
0.0%st
Mem:   8148056k total,   640688k used,  7507368k free,   106452k buffers
Swap: 19802108k total,         0k used, 19802108k free,   332756k cached
```

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

```
top - 17:42:17 up 1:19, 3 users, load average: 1.02, 0.96, 0.60
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.0%us, 0.0%sy, 0.0%ni, 75.7%id, 0.0%wa, 0.0%hi, 24.3%si,
0.0%st
Mem: 8148056k total, 640672k used, 7507384k free, 106452k buffers
Swap: 19802108k total, 0k used, 19802108k free, 332764k cached
```

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

```
top - 17:42:20 up 1:20, 3 users, load average: 1.02, 0.96, 0.60
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.0%us, 0.0%sy, 0.0%ni, 74.0%id, 0.2%wa, 0.0%hi, 25.8%si,
0.0%st
Mem: 8148056k total, 640688k used, 7507368k free, 106460k buffers
Swap: 19802108k total, 0k used, 19802108k free, 332756k cached
```

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

```
top - 17:42:23 up 1:20, 3 users, load average: 1.02, 0.96, 0.60
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.0%us, 0.0%sy, 0.0%ni, 75.4%id, 0.0%wa, 0.0%hi, 24.6%si,
0.0%st
Mem: 8148056k total, 640688k used, 7507368k free, 106460k buffers
Swap: 19802108k total, 0k used, 19802108k free, 332764k cached
```

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

```
top - 17:42:26 up 1:20, 3 users, load average: 1.02, 0.96, 0.60
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.0%us, 0.0%sy, 0.0%ni, 74.2%id, 0.4%wa, 0.0%hi, 25.4%si,
0.0%st
Mem: 8148056k total, 640688k used, 7507368k free, 106468k buffers
Swap: 19802108k total, 0k used, 19802108k free, 332760k cached
```

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

```
top - 17:42:29 up 1:20, 3 users, load average: 1.01, 0.96, 0.60
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.0%us, 0.0%sy, 0.0%ni, 75.7%id, 0.0%wa, 0.0%hi, 24.3%si,
0.0%st
Mem: 8148056k total, 640688k used, 7507368k free, 106468k buffers
Swap: 19802108k total, 0k used, 19802108k free, 332768k cached
```

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

```
top - 17:42:32 up 1:20, 3 users, load average: 1.01, 0.96, 0.61
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.1%us, 0.0%sy, 0.0%ni, 73.7%id, 0.4%wa, 0.0%hi, 25.8%si,
0.0%st
Mem: 8148056k total, 640688k used, 7507368k free, 106476k buffers
Swap: 19802108k total, 0k used, 19802108k free, 332760k cached
```

```

PID USER      PR  NI  VIRT  RES  SHR S %CPU %MEM    TIME+  COMMAND
  1 root        20   0  2880 1700 1220 S    0  0.0    0:01.00  init

top - 17:42:35 up  1:20,  3 users,  load average: 1.01, 0.96, 0.61
Tasks:  1 total,   0 running,   1 sleeping,   0 stopped,   0 zombie
Cpu(s):  0.0%us,  0.0%sy,  0.0%ni, 75.4%id,  0.0%wa,  0.0%hi, 24.6%si,
0.0%st
Mem:   8148056k total,   640672k used,  7507384k free,   106476k buffers
Swap: 19802108k total,         0k used, 19802108k free,   332768k cached

PID USER      PR  NI  VIRT  RES  SHR S %CPU %MEM    TIME+  COMMAND
  1 root        20   0  2880 1700 1220 S    0  0.0    0:01.00  init

top - 17:42:38 up  1:20,  3 users,  load average: 1.01, 0.96, 0.61
Tasks:  1 total,   0 running,   1 sleeping,   0 stopped,   0 zombie
Cpu(s):  0.0%us,  0.0%sy,  0.0%ni, 74.2%id,  0.4%wa,  0.0%hi, 25.4%si,
0.0%st
Mem:   8148056k total,   640672k used,  7507384k free,   106484k buffers
Swap: 19802108k total,         0k used, 19802108k free,   332760k cached

PID USER      PR  NI  VIRT  RES  SHR S %CPU %MEM    TIME+  COMMAND
  1 root        20   0  2880 1700 1220 S    0  0.0    0:01.00  init

top - 17:42:41 up  1:20,  3 users,  load average: 1.01, 0.96, 0.61
Tasks:  1 total,   0 running,   1 sleeping,   0 stopped,   0 zombie
Cpu(s):  0.0%us,  0.0%sy,  0.0%ni, 75.8%id,  0.0%wa,  0.0%hi, 24.2%si,
0.0%st
Mem:   8148056k total,   640672k used,  7507384k free,   106484k buffers
Swap: 19802108k total,         0k used, 19802108k free,   332768k cached

PID USER      PR  NI  VIRT  RES  SHR S %CPU %MEM    TIME+  COMMAND
  1 root        20   0  2880 1700 1220 S    0  0.0    0:01.00  init

top - 17:42:44 up  1:20,  3 users,  load average: 1.01, 0.97, 0.61
Tasks:  1 total,   0 running,   1 sleeping,   0 stopped,   0 zombie
Cpu(s):  0.0%us,  1.0%sy,  0.0%ni, 73.7%id,  0.5%wa,  0.0%hi, 24.9%si,
0.0%st
Mem:   8148056k total,   640672k used,  7507384k free,   106492k buffers
Swap: 19802108k total,         0k used, 19802108k free,   332764k cached

PID USER      PR  NI  VIRT  RES  SHR S %CPU %MEM    TIME+  COMMAND
  1 root        20   0  2880 1700 1220 S    0  0.0    0:01.00  init

top - 17:42:47 up  1:20,  3 users,  load average: 1.01, 0.97, 0.61
Tasks:  1 total,   0 running,   1 sleeping,   0 stopped,   0 zombie
Cpu(s):  0.0%us,  0.2%sy,  0.0%ni, 74.8%id,  0.0%wa,  0.0%hi, 25.0%si,
0.0%st
Mem:   8148056k total,   640688k used,  7507368k free,   106492k buffers
Swap: 19802108k total,         0k used, 19802108k free,   332772k cached

PID USER      PR  NI  VIRT  RES  SHR S %CPU %MEM    TIME+  COMMAND
  1 root        20   0  2880 1700 1220 S    0  0.0    0:01.00  init

top - 17:42:50 up  1:20,  3 users,  load average: 1.01, 0.97, 0.61
Tasks:  1 total,   0 running,   1 sleeping,   0 stopped,   0 zombie
Cpu(s):  0.1%us,  0.1%sy,  0.0%ni, 74.5%id,  0.3%wa,  0.0%hi, 25.0%si,
0.0%st

```


Mem: 8148056k total, 640672k used, 7507384k free, 106500k buffers
Swap: 19802108k total, 0k used, 19802108k free, 332768k cached

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

top - 17:42:53 up 1:20, 3 users, load average: 1.01, 0.97, 0.61
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.5%us, 0.2%sy, 0.0%ni, 73.0%id, 0.0%wa, 0.0%hi, 26.3%si, 0.0%st
Mem: 8148056k total, 648756k used, 7499300k free, 106500k buffers
Swap: 19802108k total, 0k used, 19802108k free, 340968k cached

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

top - 17:42:56 up 1:20, 3 users, load average: 1.01, 0.97, 0.61
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.0%us, 0.0%sy, 0.0%ni, 75.6%id, 0.2%wa, 0.0%hi, 24.3%si, 0.0%st
Mem: 8148056k total, 648740k used, 7499316k free, 106508k buffers
Swap: 19802108k total, 0k used, 19802108k free, 340964k cached

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

top - 17:42:59 up 1:20, 3 users, load average: 1.01, 0.97, 0.62
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.0%us, 0.0%sy, 0.0%ni, 75.3%id, 0.0%wa, 0.0%hi, 24.7%si, 0.0%st
Mem: 8148056k total, 648632k used, 7499424k free, 106508k buffers
Swap: 19802108k total, 0k used, 19802108k free, 340968k cached

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

top - 17:43:02 up 1:20, 3 users, load average: 1.01, 0.97, 0.62
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.1%us, 0.1%sy, 0.0%ni, 72.4%id, 0.4%wa, 0.0%hi, 27.0%si, 0.0%st
Mem: 8148056k total, 640572k used, 7507484k free, 106516k buffers
Swap: 19802108k total, 0k used, 19802108k free, 332796k cached

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

top - 17:43:05 up 1:20, 3 users, load average: 1.01, 0.97, 0.62
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.0%us, 0.0%sy, 0.0%ni, 76.2%id, 0.0%wa, 0.0%hi, 23.8%si, 0.0%st
Mem: 8148056k total, 640556k used, 7507500k free, 106516k buffers
Swap: 19802108k total, 0k used, 19802108k free, 332804k cached

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

top - 17:43:08 up 1:20, 3 users, load average: 1.01, 0.97, 0.62

```

Tasks:   1 total,    0 running,    1 sleeping,    0 stopped,    0 zombie
Cpu(s):  0.0%us,   0.0%sy,   0.0%ni,  73.2%id,   0.4%wa,   0.0%hi,  26.3%si,
0.0%st
Mem:    8148056k total,    640556k used,   7507500k free,    106524k buffers
Swap: 19802108k total,         0k used, 19802108k free,    332796k cached

```

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

```

top - 17:43:11 up  1:20,   3 users,   load average: 1.01, 0.97, 0.62
Tasks:   1 total,    0 running,    1 sleeping,    0 stopped,    0 zombie
Cpu(s):  0.0%us,   0.0%sy,   0.0%ni,  76.3%id,   0.0%wa,   0.0%hi,  23.7%si,
0.0%st
Mem:    8148056k total,    640572k used,   7507484k free,    106524k buffers
Swap: 19802108k total,         0k used, 19802108k free,    332804k cached

```

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

```

top - 17:43:14 up  1:20,   3 users,   load average: 1.01, 0.97, 0.62
Tasks:   1 total,    0 running,    1 sleeping,    0 stopped,    0 zombie
Cpu(s):  0.0%us,   0.0%sy,   0.0%ni,  73.1%id,   0.4%wa,   0.0%hi,  26.5%si,
0.0%st
Mem:    8148056k total,    640556k used,   7507500k free,    106536k buffers
Swap: 19802108k total,         0k used, 19802108k free,    332800k cached

```

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

```

top - 17:43:17 up  1:20,   3 users,   load average: 1.01, 0.97, 0.62
Tasks:   1 total,    0 running,    1 sleeping,    0 stopped,    0 zombie
Cpu(s):  0.0%us,   0.0%sy,   0.0%ni,  75.7%id,   0.0%wa,   0.0%hi,  24.3%si,
0.0%st
Mem:    8148056k total,    640556k used,   7507500k free,    106536k buffers
Swap: 19802108k total,         0k used, 19802108k free,    332808k cached

```

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

```

top - 17:43:20 up  1:21,   3 users,   load average: 1.01, 0.97, 0.62
Tasks:   1 total,    0 running,    1 sleeping,    0 stopped,    0 zombie
Cpu(s):  0.0%us,   0.0%sy,   0.0%ni,  74.0%id,   0.2%wa,   0.0%hi,  25.8%si,
0.0%st
Mem:    8148056k total,    640572k used,   7507484k free,    106544k buffers
Swap: 19802108k total,         0k used, 19802108k free,    332800k cached

```

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

```

top - 17:43:23 up  1:21,   3 users,   load average: 1.01, 0.97, 0.63
Tasks:   1 total,    0 running,    1 sleeping,    0 stopped,    0 zombie
Cpu(s):  0.0%us,   0.1%sy,   0.0%ni,  76.6%id,   0.0%wa,   0.0%hi,  23.3%si,
0.0%st
Mem:    8148056k total,    640556k used,   7507500k free,    106544k buffers
Swap: 19802108k total,         0k used, 19802108k free,    332808k cached

```

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

```
top - 17:43:26 up 1:21, 3 users, load average: 1.01, 0.97, 0.63
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.0%us, 0.0%sy, 0.0%ni, 74.2%id, 0.5%wa, 0.0%hi, 25.3%si, 0.0%st
Mem: 8148056k total, 640572k used, 7507484k free, 106552k buffers
Swap: 19802108k total, 0k used, 19802108k free, 332804k cached
```

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

```
top - 17:43:29 up 1:21, 3 users, load average: 1.01, 0.97, 0.63
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.0%us, 0.0%sy, 0.0%ni, 75.3%id, 0.0%wa, 0.0%hi, 24.7%si, 0.0%st
Mem: 8148056k total, 640572k used, 7507484k free, 106552k buffers
Swap: 19802108k total, 0k used, 19802108k free, 332808k cached
```

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

```
top - 17:43:32 up 1:21, 3 users, load average: 1.00, 0.97, 0.63
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.0%us, 0.0%sy, 0.0%ni, 72.7%id, 0.4%wa, 0.0%hi, 26.9%si, 0.0%st
Mem: 8148056k total, 640556k used, 7507500k free, 106560k buffers
Swap: 19802108k total, 0k used, 19802108k free, 332804k cached
```

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

```
top - 17:43:35 up 1:21, 3 users, load average: 1.00, 0.97, 0.63
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.0%us, 0.0%sy, 0.0%ni, 76.2%id, 0.0%wa, 0.0%hi, 23.8%si, 0.0%st
Mem: 8148056k total, 640572k used, 7507484k free, 106560k buffers
Swap: 19802108k total, 0k used, 19802108k free, 332812k cached
```

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

```
top - 17:43:38 up 1:21, 3 users, load average: 1.08, 0.99, 0.64
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.0%us, 0.0%sy, 0.0%ni, 73.3%id, 0.4%wa, 0.0%hi, 26.3%si, 0.0%st
Mem: 8148056k total, 640572k used, 7507484k free, 106568k buffers
Swap: 19802108k total, 0k used, 19802108k free, 332808k cached
```

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

```
top - 17:43:41 up 1:21, 3 users, load average: 1.08, 0.99, 0.64
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.0%us, 0.1%sy, 0.0%ni, 76.2%id, 0.0%wa, 0.0%hi, 23.7%si, 0.0%st
Mem: 8148056k total, 640556k used, 7507500k free, 106568k buffers
Swap: 19802108k total, 0k used, 19802108k free, 332812k cached
```

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

```
top - 17:43:44 up 1:21, 3 users, load average: 1.08, 0.99, 0.64
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.0%us, 0.0%sy, 0.0%ni, 73.4%id, 0.2%wa, 0.0%hi, 26.5%si, 0.0%st
Mem: 8148056k total, 640556k used, 7507500k free, 106576k buffers
Swap: 19802108k total, 0k used, 19802108k free, 332808k cached
```

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

```
top - 17:43:47 up 1:21, 3 users, load average: 1.07, 0.99, 0.64
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.0%us, 0.1%sy, 0.0%ni, 76.7%id, 0.0%wa, 0.0%hi, 23.2%si, 0.0%st
Mem: 8148056k total, 640572k used, 7507484k free, 106576k buffers
Swap: 19802108k total, 0k used, 19802108k free, 332812k cached
```

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

```
top - 17:43:50 up 1:21, 3 users, load average: 1.07, 0.99, 0.64
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.0%us, 0.0%sy, 0.0%ni, 74.3%id, 0.2%wa, 0.0%hi, 25.5%si, 0.0%st
Mem: 8148056k total, 640572k used, 7507484k free, 106584k buffers
Swap: 19802108k total, 0k used, 19802108k free, 332812k cached
```

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

```
top - 17:43:53 up 1:21, 3 users, load average: 1.07, 0.99, 0.64
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.0%us, 0.0%sy, 0.0%ni, 75.1%id, 0.0%wa, 0.0%hi, 24.9%si, 0.0%st
Mem: 8148056k total, 640556k used, 7507500k free, 106584k buffers
Swap: 19802108k total, 0k used, 19802108k free, 332812k cached
```

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

```
top - 17:43:56 up 1:21, 3 users, load average: 1.07, 0.99, 0.64
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.0%us, 0.0%sy, 0.0%ni, 75.6%id, 0.2%wa, 0.0%hi, 24.3%si, 0.0%st
Mem: 8148056k total, 640556k used, 7507500k free, 106592k buffers
Swap: 19802108k total, 0k used, 19802108k free, 332812k cached
```

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

```
top - 17:44:00 up 1:21, 3 users, load average: 1.06, 0.99, 0.64
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
```

```
Cpu(s):  0.0%us,  0.1%sy,  0.0%ni, 74.7%id,  0.0%wa,  0.0%hi, 25.2%si,
0.0%st
Mem:   8148056k total,   640556k used,  7507500k free,   106592k buffers
Swap: 19802108k total,         0k used, 19802108k free,   332816k cached
```

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

```
top - 17:44:03 up  1:21,  3 users,  load average: 1.06, 0.99, 0.65
Tasks:  1 total,  0 running,  1 sleeping,  0 stopped,  0 zombie
Cpu(s):  0.1%us,  0.1%sy,  0.0%ni, 74.6%id,  0.5%wa,  0.0%hi, 24.7%si,
0.0%st
Mem:   8148056k total,   640680k used,  7507376k free,   106600k buffers
Swap: 19802108k total,         0k used, 19802108k free,   332816k cached
```

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

```
top - 17:44:06 up  1:21,  3 users,  load average: 1.06, 0.99, 0.65
Tasks:  1 total,  0 running,  1 sleeping,  0 stopped,  0 zombie
Cpu(s):  1.3%us,  0.3%sy,  0.0%ni, 73.4%id,  0.0%wa,  0.0%hi, 25.0%si,
0.0%st
Mem:   8148056k total,   652204k used,  7495852k free,   106600k buffers
Swap: 19802108k total,         0k used, 19802108k free,   342088k cached
```

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

```
top - 17:44:09 up  1:21,  3 users,  load average: 1.13, 1.00, 0.65
Tasks:  1 total,  0 running,  1 sleeping,  0 stopped,  0 zombie
Cpu(s):  2.7%us,  0.2%sy,  0.0%ni, 71.3%id,  0.5%wa,  0.0%hi, 25.4%si,
0.0%st
Mem:   8148056k total,   652072k used,  7495984k free,   106608k buffers
Swap: 19802108k total,         0k used, 19802108k free,   343428k cached
```

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

```
top - 17:44:12 up  1:21,  3 users,  load average: 1.13, 1.00, 0.65
Tasks:  1 total,  0 running,  1 sleeping,  0 stopped,  0 zombie
Cpu(s):  0.2%us,  0.1%sy,  0.0%ni, 74.3%id,  0.0%wa,  0.0%hi, 25.5%si,
0.0%st
Mem:   8148056k total,   642624k used,  7505432k free,   106608k buffers
Swap: 19802108k total,         0k used, 19802108k free,   334136k cached
```

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

```
top - 17:44:15 up  1:21,  3 users,  load average: 1.12, 1.00, 0.66
Tasks:  1 total,  0 running,  1 sleeping,  0 stopped,  0 zombie
Cpu(s):  0.2%us,  0.1%sy,  0.0%ni, 74.6%id,  0.6%wa,  0.0%hi, 24.6%si,
0.0%st
Mem:   8148056k total,   642256k used,  7505800k free,   106616k buffers
Swap: 19802108k total,         0k used, 19802108k free,   333224k cached
```

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

```

top - 17:44:18 up 1:21, 3 users, load average: 1.11, 1.00, 0.66
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.0%us, 0.1%sy, 0.0%ni, 75.0%id, 0.0%wa, 0.0%hi, 24.9%si,
0.0%st
Mem: 8148056k total, 641680k used, 7506376k free, 106616k buffers
Swap: 19802108k total, 0k used, 19802108k free, 332792k cached

```

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

```

top - 17:44:21 up 1:22, 3 users, load average: 1.11, 1.00, 0.66
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.0%us, 0.0%sy, 0.0%ni, 74.9%id, 0.4%wa, 0.0%hi, 24.7%si,
0.0%st
Mem: 8148056k total, 641664k used, 7506392k free, 106624k buffers
Swap: 19802108k total, 0k used, 19802108k free, 332792k cached

```

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

```

top - 17:44:24 up 1:22, 3 users, load average: 1.10, 1.00, 0.66
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.0%us, 0.0%sy, 0.0%ni, 74.7%id, 0.0%wa, 0.0%hi, 25.3%si,
0.0%st
Mem: 8148056k total, 641680k used, 7506376k free, 106624k buffers
Swap: 19802108k total, 0k used, 19802108k free, 332796k cached

```

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

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```
top - 17:47:39 up 1:25, 3 users, load average: 0.07, 0.59, 0.57
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.3%us, 0.1%sy, 0.2%ni, 92.2%id, 0.4%wa, 0.0%hi, 6.8%si,
0.0%st
Mem: 8148056k total, 642232k used, 7505824k free, 106664k buffers
Swap: 19802108k total, 0k used, 19802108k free, 334136k cached
```

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

```
top - 17:47:42 up 1:25, 3 users, load average: 0.07, 0.58, 0.56
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.0%us, 0.0%sy, 0.0%ni, 99.4%id, 0.0%wa, 0.0%hi, 0.6%si,
0.0%st
Mem: 8148056k total, 641496k used, 7506560k free, 106664k buffers
Swap: 19802108k total, 0k used, 19802108k free, 332796k cached
```

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

```
top - 17:47:45 up 1:25, 3 users, load average: 0.07, 0.58, 0.56
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.0%us, 0.1%sy, 0.0%ni, 99.1%id, 0.3%wa, 0.0%hi, 0.5%si,
0.0%st
Mem: 8148056k total, 641512k used, 7506544k free, 106672k buffers
Swap: 19802108k total, 0k used, 19802108k free, 332796k cached
```

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

```
top - 17:47:48 up 1:25, 3 users, load average: 0.06, 0.57, 0.56
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.0%us, 0.1%sy, 0.0%ni, 99.4%id, 0.0%wa, 0.0%hi, 0.5%si,
0.0%st
Mem: 8148056k total, 641512k used, 7506544k free, 106672k buffers
Swap: 19802108k total, 0k used, 19802108k free, 332796k cached
```

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

```
top - 17:47:51 up 1:25, 3 users, load average: 0.06, 0.57, 0.56
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.1%us, 0.0%sy, 0.0%ni, 99.3%id, 0.2%wa, 0.0%hi, 0.4%si,
0.0%st
Mem: 8148056k total, 641496k used, 7506560k free, 106680k buffers
Swap: 19802108k total, 0k used, 19802108k free, 332796k cached
```

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

```
top - 17:47:54 up 1:25, 3 users, load average: 0.06, 0.56, 0.56
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.1%us, 0.0%sy, 0.0%ni, 99.5%id, 0.0%wa, 0.0%hi, 0.4%si,
0.0%st
Mem: 8148056k total, 641496k used, 7506560k free, 106680k buffers
```

Swap: 19802108k total, 0k used, 19802108k free, 332796k cached

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

top - 17:47:57 up 1:25, 3 users, load average: 0.05, 0.55, 0.56

Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie

Cpu(s): 0.0%us, 0.1%sy, 0.0%ni, 99.1%id, 0.2%wa, 0.0%hi, 0.7%si, 0.0%st

Mem: 8148056k total, 641512k used, 7506544k free, 106688k buffers

Swap: 19802108k total, 0k used, 19802108k free, 332796k cached

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

top - 17:48:00 up 1:25, 3 users, load average: 0.05, 0.55, 0.56

Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie

Cpu(s): 0.1%us, 0.0%sy, 0.0%ni, 99.3%id, 0.0%wa, 0.0%hi, 0.6%si, 0.0%st

Mem: 8148056k total, 641432k used, 7506624k free, 106688k buffers

Swap: 19802108k total, 0k used, 19802108k free, 332820k cached

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

top - 17:48:03 up 1:25, 3 users, load average: 0.05, 0.54, 0.55

Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie

Cpu(s): 0.1%us, 0.1%sy, 0.0%ni, 98.6%id, 0.2%wa, 0.0%hi, 1.1%si, 0.0%st

Mem: 8148056k total, 641496k used, 7506560k free, 106696k buffers

Swap: 19802108k total, 0k used, 19802108k free, 332800k cached

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

top - 17:48:06 up 1:25, 3 users, load average: 0.05, 0.54, 0.55

Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie

Cpu(s): 0.0%us, 0.0%sy, 0.0%ni, 99.5%id, 0.0%wa, 0.0%hi, 0.5%si, 0.0%st

Mem: 8148056k total, 641496k used, 7506560k free, 106696k buffers

Swap: 19802108k total, 0k used, 19802108k free, 332800k cached

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

top - 17:48:09 up 1:25, 3 users, load average: 0.04, 0.53, 0.55

Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie

Cpu(s): 0.0%us, 0.1%sy, 0.0%ni, 99.0%id, 0.2%wa, 0.0%hi, 0.7%si, 0.0%st

Mem: 8148056k total, 641512k used, 7506544k free, 106704k buffers

Swap: 19802108k total, 0k used, 19802108k free, 332800k cached

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

top - 17:48:12 up 1:25, 3 users, load average: 0.04, 0.52, 0.55

Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie


```
Cpu(s):  0.0%us,  0.1%sy,  0.0%ni, 99.2%id,  0.0%wa,  0.0%hi,  0.7%si,
0.0%st
Mem:   8148056k total,    641512k used,  7506544k free,    106704k buffers
Swap: 19802108k total,         0k used, 19802108k free,    332800k cached
```

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

```
top - 17:48:15 up  1:25,  3 users,  load average: 0.04, 0.52, 0.55
Tasks:  1 total,  0 running,  1 sleeping,  0 stopped,  0 zombie
Cpu(s):  0.0%us,  0.0%sy,  0.0%ni, 99.4%id,  0.2%wa,  0.0%hi,  0.4%si,
0.0%st
Mem:   8148056k total,    641496k used,  7506560k free,    106712k buffers
Swap: 19802108k total,         0k used, 19802108k free,    332800k cached
```

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

```
top - 17:48:18 up  1:26,  3 users,  load average: 0.04, 0.51, 0.54
Tasks:  1 total,  0 running,  1 sleeping,  0 stopped,  0 zombie
Cpu(s):  0.0%us,  0.1%sy,  0.0%ni, 99.6%id,  0.0%wa,  0.0%hi,  0.3%si,
0.0%st
Mem:   8148056k total,    641496k used,  7506560k free,    106712k buffers
Swap: 19802108k total,         0k used, 19802108k free,    332800k cached
```

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

```
top - 17:48:21 up  1:26,  3 users,  load average: 0.04, 0.51, 0.54
Tasks:  1 total,  0 running,  1 sleeping,  0 stopped,  0 zombie
Cpu(s):  0.0%us,  0.0%sy,  0.0%ni, 98.9%id,  0.3%wa,  0.0%hi,  0.7%si,
0.0%st
Mem:   8148056k total,    641496k used,  7506560k free,    106720k buffers
Swap: 19802108k total,         0k used, 19802108k free,    332800k cached
```

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

```
top - 17:48:24 up  1:26,  3 users,  load average: 0.03, 0.51, 0.54
Tasks:  1 total,  0 running,  1 sleeping,  0 stopped,  0 zombie
Cpu(s):  0.0%us,  0.1%sy,  0.0%ni, 99.5%id,  0.0%wa,  0.0%hi,  0.4%si,
0.0%st
Mem:   8148056k total,    641512k used,  7506544k free,    106720k buffers
Swap: 19802108k total,         0k used, 19802108k free,    332800k cached
```

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

```
top - 17:48:27 up  1:26,  3 users,  load average: 0.03, 0.50, 0.54
Tasks:  1 total,  0 running,  1 sleeping,  0 stopped,  0 zombie
Cpu(s):  0.0%us,  0.0%sy,  0.0%ni, 99.1%id,  0.2%wa,  0.0%hi,  0.7%si,
0.0%st
Mem:   8148056k total,    641512k used,  7506544k free,    106728k buffers
Swap: 19802108k total,         0k used, 19802108k free,    332804k cached
```

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

```
top - 17:48:30 up 1:26, 3 users, load average: 0.03, 0.50, 0.54
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.0%us, 0.0%sy, 0.0%ni, 99.7%id, 0.0%wa, 0.0%hi, 0.3%si,
0.0%st
Mem: 8148056k total, 641496k used, 7506560k free, 106728k buffers
Swap: 19802108k total, 0k used, 19802108k free, 332804k cached
```

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

```
top - 17:48:33 up 1:26, 3 users, load average: 0.03, 0.49, 0.54
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.1%us, 0.1%sy, 0.0%ni, 98.8%id, 0.2%wa, 0.0%hi, 0.8%si,
0.0%st
Mem: 8148056k total, 641620k used, 7506436k free, 106736k buffers
Swap: 19802108k total, 0k used, 19802108k free, 332804k cached
```

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

```
top - 17:48:37 up 1:26, 3 users, load average: 0.03, 0.49, 0.54
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.0%us, 0.0%sy, 0.0%ni, 99.3%id, 0.0%wa, 0.0%hi, 0.7%si,
0.0%st
Mem: 8148056k total, 641620k used, 7506436k free, 106736k buffers
Swap: 19802108k total, 0k used, 19802108k free, 332804k cached
```

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

```
top - 17:48:40 up 1:26, 3 users, load average: 0.03, 0.48, 0.53
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.0%us, 0.0%sy, 0.0%ni, 98.5%id, 0.6%wa, 0.0%hi, 0.9%si,
0.0%st
Mem: 8148056k total, 641620k used, 7506436k free, 106744k buffers
Swap: 19802108k total, 0k used, 19802108k free, 332804k cached
```

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

```
top - 17:48:43 up 1:26, 3 users, load average: 0.02, 0.47, 0.53
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.0%us, 0.0%sy, 0.0%ni, 99.5%id, 0.0%wa, 0.0%hi, 0.5%si,
0.0%st
Mem: 8148056k total, 641636k used, 7506420k free, 106744k buffers
Swap: 19802108k total, 0k used, 19802108k free, 332804k cached
```

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

```
top - 17:48:46 up 1:26, 3 users, load average: 0.02, 0.47, 0.53
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.0%us, 0.0%sy, 0.0%ni, 99.4%id, 0.2%wa, 0.0%hi, 0.4%si,
0.0%st
Mem: 8148056k total, 641620k used, 7506436k free, 106752k buffers
Swap: 19802108k total, 0k used, 19802108k free, 332804k cached
```

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

top - 17:48:49 up 1:26, 3 users, load average: 0.02, 0.47, 0.53
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.1%us, 0.1%sy, 0.0%ni, 99.4%id, 0.0%wa, 0.0%hi, 0.5%si, 0.0%st
Mem: 8148056k total, 641620k used, 7506436k free, 106752k buffers
Swap: 19802108k total, 0k used, 19802108k free, 332804k cached

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

top - 17:48:52 up 1:26, 3 users, load average: 0.02, 0.47, 0.53
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.0%us, 0.0%sy, 0.0%ni, 98.8%id, 0.3%wa, 0.0%hi, 0.9%si, 0.0%st
Mem: 8148056k total, 641620k used, 7506436k free, 106760k buffers
Swap: 19802108k total, 0k used, 19802108k free, 332808k cached

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

top - 17:48:55 up 1:26, 3 users, load average: 0.02, 0.46, 0.52
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.0%us, 0.0%sy, 0.0%ni, 99.7%id, 0.0%wa, 0.0%hi, 0.3%si, 0.0%st
Mem: 8148056k total, 641636k used, 7506420k free, 106760k buffers
Swap: 19802108k total, 0k used, 19802108k free, 332808k cached

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

top - 17:48:58 up 1:26, 3 users, load average: 0.02, 0.45, 0.52
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.0%us, 0.0%sy, 0.0%ni, 99.2%id, 0.2%wa, 0.0%hi, 0.6%si, 0.0%st
Mem: 8148056k total, 641620k used, 7506436k free, 106768k buffers
Swap: 19802108k total, 0k used, 19802108k free, 332808k cached

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

top - 17:49:01 up 1:26, 3 users, load average: 0.02, 0.45, 0.52
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.2%us, 0.1%sy, 0.0%ni, 99.2%id, 0.0%wa, 0.0%hi, 0.6%si, 0.0%st
Mem: 8148056k total, 641620k used, 7506436k free, 106768k buffers
Swap: 19802108k total, 0k used, 19802108k free, 332832k cached

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

top - 17:49:04 up 1:26, 3 users, load average: 0.02, 0.44, 0.52
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.1%us, 0.0%sy, 0.0%ni, 99.4%id, 0.2%wa, 0.0%hi, 0.3%si, 0.0%st

Mem: 8148056k total, 641620k used, 7506436k free, 106776k buffers
Swap: 19802108k total, 0k used, 19802108k free, 332800k cached

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

top - 17:49:07 up 1:26, 3 users, load average: 0.02, 0.44, 0.52
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.0%us, 0.0%sy, 0.0%ni, 99.5%id, 0.0%wa, 0.0%hi, 0.5%si, 0.0%st
Mem: 8148056k total, 641620k used, 7506436k free, 106776k buffers
Swap: 19802108k total, 0k used, 19802108k free, 332808k cached

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

top - 17:49:10 up 1:26, 3 users, load average: 0.02, 0.44, 0.51
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.1%us, 0.0%sy, 0.0%ni, 99.1%id, 0.2%wa, 0.0%hi, 0.6%si, 0.0%st
Mem: 8148056k total, 641636k used, 7506420k free, 106784k buffers
Swap: 19802108k total, 0k used, 19802108k free, 332808k cached

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

top - 17:49:13 up 1:26, 3 users, load average: 0.02, 0.43, 0.51
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.0%us, 0.1%sy, 0.0%ni, 99.4%id, 0.0%wa, 0.0%hi, 0.5%si, 0.0%st
Mem: 8148056k total, 641620k used, 7506436k free, 106784k buffers
Swap: 19802108k total, 0k used, 19802108k free, 332808k cached

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

top - 17:49:16 up 1:26, 3 users, load average: 0.02, 0.43, 0.51
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.0%us, 0.0%sy, 0.0%ni, 99.0%id, 0.2%wa, 0.0%hi, 0.8%si, 0.0%st
Mem: 8148056k total, 641620k used, 7506436k free, 106792k buffers
Swap: 19802108k total, 0k used, 19802108k free, 332804k cached

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

top - 17:49:19 up 1:27, 3 users, load average: 0.01, 0.42, 0.51
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.0%us, 0.0%sy, 0.0%ni, 99.6%id, 0.0%wa, 0.0%hi, 0.4%si, 0.0%st
Mem: 8148056k total, 641620k used, 7506436k free, 106792k buffers
Swap: 19802108k total, 0k used, 19802108k free, 332812k cached

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

top - 17:49:22 up 1:27, 3 users, load average: 0.01, 0.42, 0.51

```

Tasks:   1 total,    0 running,    1 sleeping,    0 stopped,    0 zombie
Cpu(s):  0.0%us,   0.0%sy,   0.0%ni, 99.2%id,   0.3%wa,   0.0%hi,   0.4%si,
0.0%st
Mem:    8148056k total,    641620k used,   7506436k free,    106800k buffers
Swap: 19802108k total,         0k used, 19802108k free,    332812k cached

```

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

```

top - 17:49:25 up 1:27, 3 users, load average: 0.01, 0.41, 0.51
Tasks:   1 total,    0 running,    1 sleeping,    0 stopped,    0 zombie
Cpu(s):  0.0%us,   0.1%sy,   0.0%ni, 99.3%id,   0.0%wa,   0.0%hi,   0.7%si,
0.0%st
Mem:    8148056k total,    641620k used,   7506436k free,    106800k buffers
Swap: 19802108k total,         0k used, 19802108k free,    332812k cached

```

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

```

top - 17:49:28 up 1:27, 3 users, load average: 0.01, 0.41, 0.50
Tasks:   1 total,    0 running,    1 sleeping,    0 stopped,    0 zombie
Cpu(s):  0.1%us,   0.0%sy,   0.0%ni, 98.8%id,   0.3%wa,   0.0%hi,   0.8%si,
0.0%st
Mem:    8148056k total,    641636k used,   7506420k free,    106808k buffers
Swap: 19802108k total,         0k used, 19802108k free,    332812k cached

```

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

```

top - 17:49:31 up 1:27, 3 users, load average: 0.01, 0.41, 0.50
Tasks:   1 total,    0 running,    1 sleeping,    0 stopped,    0 zombie
Cpu(s):  0.0%us,   0.1%sy,   0.0%ni, 99.2%id,   0.0%wa,   0.0%hi,   0.7%si,
0.0%st
Mem:    8148056k total,    641636k used,   7506420k free,    106808k buffers
Swap: 19802108k total,         0k used, 19802108k free,    332812k cached

```

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

```

top - 17:49:34 up 1:27, 3 users, load average: 0.01, 0.40, 0.50
Tasks:   1 total,    0 running,    1 sleeping,    0 stopped,    0 zombie
Cpu(s):  0.0%us,   0.0%sy,   0.0%ni, 99.1%id,   0.3%wa,   0.0%hi,   0.6%si,
0.0%st
Mem:    8148056k total,    641636k used,   7506420k free,    106816k buffers
Swap: 19802108k total,         0k used, 19802108k free,    332812k cached

```

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

```

top - 17:49:37 up 1:27, 3 users, load average: 0.01, 0.40, 0.50
Tasks:   1 total,    0 running,    1 sleeping,    0 stopped,    0 zombie
Cpu(s):  0.0%us,   0.0%sy,   0.0%ni, 99.4%id,   0.0%wa,   0.0%hi,   0.6%si,
0.0%st
Mem:    8148056k total,    641620k used,   7506436k free,    106816k buffers
Swap: 19802108k total,         0k used, 19802108k free,    332812k cached

```

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

```
top - 17:49:40 up 1:27, 3 users, load average: 0.01, 0.39, 0.50
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.0%us, 0.0%sy, 0.0%ni, 99.0%id, 0.5%wa, 0.0%hi, 0.5%si, 0.0%st
Mem: 8148056k total, 641620k used, 7506436k free, 106824k buffers
Swap: 19802108k total, 0k used, 19802108k free, 332816k cached
```

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

```
top - 17:49:43 up 1:27, 3 users, load average: 0.01, 0.39, 0.50
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.0%us, 0.1%sy, 0.0%ni, 99.3%id, 0.0%wa, 0.0%hi, 0.6%si, 0.0%st
Mem: 8148056k total, 641620k used, 7506436k free, 106824k buffers
Swap: 19802108k total, 0k used, 19802108k free, 332816k cached
```

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

```
top - 17:49:46 up 1:27, 3 users, load average: 0.01, 0.39, 0.50
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.1%us, 0.1%sy, 0.0%ni, 99.0%id, 0.3%wa, 0.0%hi, 0.5%si, 0.0%st
Mem: 8148056k total, 641620k used, 7506436k free, 106832k buffers
Swap: 19802108k total, 0k used, 19802108k free, 332808k cached
```

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

```
top - 17:49:49 up 1:27, 3 users, load average: 0.01, 0.38, 0.49
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.0%us, 0.0%sy, 0.0%ni, 99.7%id, 0.0%wa, 0.0%hi, 0.3%si, 0.0%st
Mem: 8148056k total, 641636k used, 7506420k free, 106832k buffers
Swap: 19802108k total, 0k used, 19802108k free, 332816k cached
```

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

```
top - 17:49:52 up 1:27, 3 users, load average: 0.01, 0.38, 0.49
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.0%us, 0.0%sy, 0.0%ni, 99.5%id, 0.3%wa, 0.0%hi, 0.3%si, 0.0%st
Mem: 8148056k total, 641744k used, 7506312k free, 106840k buffers
Swap: 19802108k total, 0k used, 19802108k free, 332816k cached
```

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

```
top - 17:49:55 up 1:27, 3 users, load average: 0.01, 0.37, 0.49
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.0%us, 0.1%sy, 0.0%ni, 99.3%id, 0.0%wa, 0.0%hi, 0.7%si, 0.0%st
Mem: 8148056k total, 641744k used, 7506312k free, 106840k buffers
Swap: 19802108k total, 0k used, 19802108k free, 332816k cached
```

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

top - 17:49:58 up 1:27, 3 users, load average: 0.01, 0.37, 0.49
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.0%us, 0.1%sy, 0.0%ni, 98.8%id, 0.3%wa, 0.0%hi, 0.8%si, 0.0%st
Mem: 8148056k total, 641744k used, 7506312k free, 106848k buffers
Swap: 19802108k total, 0k used, 19802108k free, 332808k cached

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

top - 17:50:01 up 1:27, 3 users, load average: 0.01, 0.37, 0.49
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.1%us, 0.0%sy, 0.0%ni, 99.5%id, 0.0%wa, 0.0%hi, 0.4%si, 0.0%st
Mem: 8148056k total, 641744k used, 7506312k free, 106848k buffers
Swap: 19802108k total, 0k used, 19802108k free, 332844k cached

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

top - 17:50:04 up 1:27, 3 users, load average: 0.01, 0.36, 0.49
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.1%us, 0.0%sy, 0.0%ni, 98.9%id, 0.3%wa, 0.0%hi, 0.8%si, 0.0%st
Mem: 8148056k total, 641744k used, 7506312k free, 106856k buffers
Swap: 19802108k total, 0k used, 19802108k free, 332820k cached

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

top - 17:50:07 up 1:27, 3 users, load average: 0.01, 0.36, 0.49
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.0%us, 0.1%sy, 0.0%ni, 99.3%id, 0.0%wa, 0.0%hi, 0.6%si, 0.0%st
Mem: 8148056k total, 641744k used, 7506312k free, 106856k buffers
Swap: 19802108k total, 0k used, 19802108k free, 332820k cached

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

top - 17:50:10 up 1:27, 3 users, load average: 0.01, 0.36, 0.48
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.0%us, 0.0%sy, 0.0%ni, 99.3%id, 0.2%wa, 0.0%hi, 0.5%si, 0.0%st
Mem: 8148056k total, 641868k used, 7506188k free, 106864k buffers
Swap: 19802108k total, 0k used, 19802108k free, 332820k cached

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

top - 17:50:13 up 1:27, 3 users, load average: 0.01, 0.35, 0.48
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie

```
Cpu(s):  0.1%us,  0.1%sy,  0.0%ni, 99.4%id,  0.0%wa,  0.0%hi,  0.4%si,
0.0%st
Mem:   8148056k total,    641868k used,  7506188k free,    106864k buffers
Swap: 19802108k total,         0k used, 19802108k free,    332820k cached
```

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

```
top - 17:50:16 up  1:27,  3 users,  load average: 0.01, 0.35, 0.48
Tasks:  1 total,  0 running,  1 sleeping,  0 stopped,  0 zombie
Cpu(s):  0.0%us,  0.0%sy,  0.0%ni, 99.3%id,  0.3%wa,  0.0%hi,  0.4%si,
0.0%st
Mem:   8148056k total,    641868k used,  7506188k free,    106872k buffers
Swap: 19802108k total,         0k used, 19802108k free,    332820k cached
```

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

```
top - 17:50:19 up  1:28,  3 users,  load average: 0.01, 0.34, 0.48
Tasks:  1 total,  0 running,  1 sleeping,  0 stopped,  0 zombie
Cpu(s):  0.0%us,  0.0%sy,  0.0%ni, 99.5%id,  0.0%wa,  0.0%hi,  0.5%si,
0.0%st
Mem:   8148056k total,    641884k used,  7506172k free,    106872k buffers
Swap: 19802108k total,         0k used, 19802108k free,    332820k cached
```

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

```
top - 17:50:22 up  1:28,  3 users,  load average: 0.01, 0.34, 0.48
Tasks:  1 total,  0 running,  1 sleeping,  0 stopped,  0 zombie
Cpu(s):  0.0%us,  0.1%sy,  0.0%ni, 99.3%id,  0.3%wa,  0.0%hi,  0.4%si,
0.0%st
Mem:   8148056k total,    641868k used,  7506188k free,    106880k buffers
Swap: 19802108k total,         0k used, 19802108k free,    332812k cached
```

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

```
top - 17:50:25 up  1:28,  3 users,  load average: 0.00, 0.34, 0.48
Tasks:  1 total,  0 running,  1 sleeping,  0 stopped,  0 zombie
Cpu(s):  0.0%us,  0.0%sy,  0.0%ni, 99.6%id,  0.0%wa,  0.0%hi,  0.4%si,
0.0%st
Mem:   8148056k total,    641868k used,  7506188k free,    106880k buffers
Swap: 19802108k total,         0k used, 19802108k free,    332824k cached
```

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

```
top - 17:50:28 up  1:28,  3 users,  load average: 0.00, 0.33, 0.47
Tasks:  1 total,  0 running,  1 sleeping,  0 stopped,  0 zombie
Cpu(s):  0.0%us,  0.1%sy,  0.0%ni, 99.1%id,  0.3%wa,  0.0%hi,  0.5%si,
0.0%st
Mem:   8148056k total,    641868k used,  7506188k free,    106888k buffers
Swap: 19802108k total,         0k used, 19802108k free,    332824k cached
```

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |


```
top - 17:50:31 up 1:28, 3 users, load average: 0.00, 0.33, 0.47
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.0%us, 0.0%sy, 0.0%ni, 99.7%id, 0.0%wa, 0.0%hi, 0.3%si,
0.0%st
Mem: 8148056k total, 641868k used, 7506188k free, 106888k buffers
Swap: 19802108k total, 0k used, 19802108k free, 332824k cached
```

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

```
top - 17:50:34 up 1:28, 3 users, load average: 0.00, 0.33, 0.47
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.1%us, 0.0%sy, 0.0%ni, 99.2%id, 0.2%wa, 0.0%hi, 0.6%si,
0.0%st
Mem: 8148056k total, 641868k used, 7506188k free, 106896k buffers
Swap: 19802108k total, 0k used, 19802108k free, 332824k cached
```

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

```
top - 17:50:37 up 1:28, 3 users, load average: 0.00, 0.33, 0.47
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.0%us, 0.0%sy, 0.0%ni, 99.3%id, 0.0%wa, 0.0%hi, 0.7%si,
0.0%st
Mem: 8148056k total, 641868k used, 7506188k free, 106896k buffers
Swap: 19802108k total, 0k used, 19802108k free, 332824k cached
```

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

```
top - 17:50:40 up 1:28, 3 users, load average: 0.00, 0.32, 0.47
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.1%us, 0.0%sy, 0.0%ni, 99.1%id, 0.3%wa, 0.0%hi, 0.5%si,
0.0%st
Mem: 8148056k total, 641868k used, 7506188k free, 106904k buffers
Swap: 19802108k total, 0k used, 19802108k free, 332824k cached
```

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

```
top - 17:50:43 up 1:28, 3 users, load average: 0.00, 0.32, 0.47
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.0%us, 0.2%sy, 0.0%ni, 99.0%id, 0.0%wa, 0.0%hi, 0.8%si,
0.0%st
Mem: 8148056k total, 641868k used, 7506188k free, 106904k buffers
Swap: 19802108k total, 0k used, 19802108k free, 332824k cached
```

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

```
top - 17:50:46 up 1:28, 3 users, load average: 0.00, 0.32, 0.47
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.0%us, 0.0%sy, 0.0%ni, 99.2%id, 0.2%wa, 0.0%hi, 0.6%si,
0.0%st
Mem: 8148056k total, 641884k used, 7506172k free, 106912k buffers
Swap: 19802108k total, 0k used, 19802108k free, 332824k cached
```

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

top - 17:50:49 up 1:28, 3 users, load average: 0.00, 0.31, 0.46
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.0%us, 0.1%sy, 0.0%ni, 99.6%id, 0.0%wa, 0.0%hi, 0.3%si, 0.0%st
Mem: 8148056k total, 641868k used, 7506188k free, 106912k buffers
Swap: 19802108k total, 0k used, 19802108k free, 332828k cached

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

top - 17:50:52 up 1:28, 3 users, load average: 0.00, 0.31, 0.46
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.0%us, 0.0%sy, 0.0%ni, 99.2%id, 0.2%wa, 0.0%hi, 0.6%si, 0.0%st
Mem: 8148056k total, 641884k used, 7506172k free, 106920k buffers
Swap: 19802108k total, 0k used, 19802108k free, 332828k cached

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

top - 17:50:55 up 1:28, 3 users, load average: 0.00, 0.31, 0.46
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.1%us, 0.0%sy, 0.0%ni, 99.4%id, 0.0%wa, 0.0%hi, 0.5%si, 0.0%st
Mem: 8148056k total, 641868k used, 7506188k free, 106920k buffers
Swap: 19802108k total, 0k used, 19802108k free, 332828k cached

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

top - 17:50:58 up 1:28, 3 users, load average: 0.00, 0.30, 0.46
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.0%us, 0.1%sy, 0.0%ni, 99.3%id, 0.2%wa, 0.0%hi, 0.3%si, 0.0%st
Mem: 8148056k total, 641884k used, 7506172k free, 106928k buffers
Swap: 19802108k total, 0k used, 19802108k free, 332820k cached

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

top - 17:51:01 up 1:28, 3 users, load average: 0.00, 0.30, 0.46
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.1%us, 0.0%sy, 0.0%ni, 99.3%id, 0.0%wa, 0.0%hi, 0.6%si, 0.0%st
Mem: 8148056k total, 641868k used, 7506188k free, 106928k buffers
Swap: 19802108k total, 0k used, 19802108k free, 332852k cached

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

top - 17:51:04 up 1:28, 3 users, load average: 0.00, 0.30, 0.46
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.1%us, 0.1%sy, 0.0%ni, 98.9%id, 0.4%wa, 0.0%hi, 0.6%si, 0.0%st

Mem: 8148056k total, 641868k used, 7506188k free, 106936k buffers
Swap: 19802108k total, 0k used, 19802108k free, 332820k cached

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

top - 17:51:07 up 1:28, 3 users, load average: 0.00, 0.30, 0.46
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.0%us, 0.0%sy, 0.0%ni, 99.3%id, 0.0%wa, 0.0%hi, 0.7%si, 0.0%st
Mem: 8148056k total, 641884k used, 7506172k free, 106936k buffers
Swap: 19802108k total, 0k used, 19802108k free, 332828k cached

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

top - 17:51:10 up 1:28, 3 users, load average: 0.00, 0.29, 0.45
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.0%us, 0.0%sy, 0.0%ni, 99.3%id, 0.2%wa, 0.0%hi, 0.4%si, 0.0%st
Mem: 8148056k total, 641868k used, 7506188k free, 106944k buffers
Swap: 19802108k total, 0k used, 19802108k free, 332828k cached

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

top - 17:51:13 up 1:28, 3 users, load average: 0.00, 0.29, 0.45
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.0%us, 0.1%sy, 0.0%ni, 99.4%id, 0.0%wa, 0.0%hi, 0.5%si, 0.0%st
Mem: 8148056k total, 641868k used, 7506188k free, 106944k buffers
Swap: 19802108k total, 0k used, 19802108k free, 332832k cached

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

top - 17:51:16 up 1:28, 3 users, load average: 0.00, 0.29, 0.45
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.1%us, 0.0%sy, 0.0%ni, 99.1%id, 0.3%wa, 0.0%hi, 0.5%si, 0.0%st
Mem: 8148056k total, 641884k used, 7506172k free, 106952k buffers
Swap: 19802108k total, 0k used, 19802108k free, 332824k cached

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

top - 17:51:19 up 1:29, 3 users, load average: 0.00, 0.28, 0.45
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.0%us, 0.0%sy, 0.0%ni, 99.4%id, 0.0%wa, 0.0%hi, 0.6%si, 0.0%st
Mem: 8148056k total, 641884k used, 7506172k free, 106952k buffers
Swap: 19802108k total, 0k used, 19802108k free, 332832k cached

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

top - 17:51:22 up 1:29, 3 users, load average: 0.00, 0.28, 0.45

```

Tasks:   1 total,    0 running,    1 sleeping,    0 stopped,    0 zombie
Cpu(s):  0.0%us,   0.1%sy,   0.0%ni, 99.3%id,   0.2%wa,   0.0%hi,   0.4%si,
0.0%st
Mem:    8148056k total,    641868k used,   7506188k free,    106960k buffers
Swap: 19802108k total,         0k used, 19802108k free,    332832k cached

```

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

```

top - 17:51:25 up 1:29, 3 users, load average: 0.00, 0.28, 0.45
Tasks:   1 total,    0 running,    1 sleeping,    0 stopped,    0 zombie
Cpu(s):  0.0%us,   0.0%sy,   0.0%ni, 99.4%id,   0.0%wa,   0.0%hi,   0.6%si,
0.0%st
Mem:    8148056k total,    641868k used,   7506188k free,    106960k buffers
Swap: 19802108k total,         0k used, 19802108k free,    332832k cached

```

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

```

top - 17:51:28 up 1:29, 3 users, load average: 0.00, 0.27, 0.44
Tasks:   1 total,    0 running,    1 sleeping,    0 stopped,    0 zombie
Cpu(s):  0.0%us,   0.1%sy,   0.0%ni, 99.2%id,   0.2%wa,   0.0%hi,   0.5%si,
0.0%st
Mem:    8148056k total,    641868k used,   7506188k free,    106968k buffers
Swap: 19802108k total,         0k used, 19802108k free,    332824k cached

```

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

```

top - 17:51:31 up 1:29, 3 users, load average: 0.00, 0.27, 0.44
Tasks:   1 total,    0 running,    1 sleeping,    0 stopped,    0 zombie
Cpu(s):  0.0%us,   0.0%sy,   0.0%ni, 99.7%id,   0.0%wa,   0.0%hi,   0.3%si,
0.0%st
Mem:    8148056k total,    641868k used,   7506188k free,    106968k buffers
Swap: 19802108k total,         0k used, 19802108k free,    332832k cached

```

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

```

top - 17:51:34 up 1:29, 3 users, load average: 0.00, 0.27, 0.44
Tasks:   1 total,    0 running,    1 sleeping,    0 stopped,    0 zombie
Cpu(s):  0.0%us,   0.1%sy,   0.0%ni, 98.7%id,   0.4%wa,   0.0%hi,   0.8%si,
0.0%st
Mem:    8148056k total,    641868k used,   7506188k free,    106976k buffers
Swap: 19802108k total,         0k used, 19802108k free,    332832k cached

```

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

```

top - 17:51:37 up 1:29, 3 users, load average: 0.00, 0.27, 0.44
Tasks:   1 total,    0 running,    1 sleeping,    0 stopped,    0 zombie
Cpu(s):  0.1%us,   0.0%sy,   0.0%ni, 99.4%id,   0.0%wa,   0.0%hi,   0.5%si,
0.0%st
Mem:    8148056k total,    641884k used,   7506172k free,    106976k buffers
Swap: 19802108k total,         0k used, 19802108k free,    332840k cached

```

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

```
top - 17:51:40 up 1:29, 3 users, load average: 0.00, 0.26, 0.44
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.0%us, 0.1%sy, 0.0%ni, 98.5%id, 0.6%wa, 0.0%hi, 0.8%si,
0.0%st
Mem: 8148056k total, 642008k used, 7506048k free, 106984k buffers
Swap: 19802108k total, 0k used, 19802108k free, 332836k cached
```

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

```
top - 17:51:43 up 1:29, 3 users, load average: 0.00, 0.26, 0.44
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.0%us, 0.0%sy, 0.0%ni, 99.7%id, 0.0%wa, 0.0%hi, 0.3%si,
0.0%st
Mem: 8148056k total, 642008k used, 7506048k free, 106984k buffers
Swap: 19802108k total, 0k used, 19802108k free, 332840k cached
```

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

```
top - 17:51:46 up 1:29, 3 users, load average: 0.00, 0.26, 0.44
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.0%us, 0.1%sy, 0.0%ni, 99.4%id, 0.2%wa, 0.0%hi, 0.3%si,
0.0%st
Mem: 8148056k total, 641992k used, 7506064k free, 106992k buffers
Swap: 19802108k total, 0k used, 19802108k free, 332840k cached
```

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

```
top - 17:51:49 up 1:29, 3 users, load average: 0.00, 0.25, 0.43
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.0%us, 0.1%sy, 0.0%ni, 99.4%id, 0.0%wa, 0.0%hi, 0.5%si,
0.0%st
Mem: 8148056k total, 641992k used, 7506064k free, 106992k buffers
Swap: 19802108k total, 0k used, 19802108k free, 332840k cached
```

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

```
top - 17:51:52 up 1:29, 3 users, load average: 0.00, 0.25, 0.43
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.0%us, 0.0%sy, 0.0%ni, 99.3%id, 0.2%wa, 0.0%hi, 0.5%si,
0.0%st
Mem: 8148056k total, 641992k used, 7506064k free, 107000k buffers
Swap: 19802108k total, 0k used, 19802108k free, 332840k cached
```

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

```
top - 17:51:55 up 1:29, 3 users, load average: 0.00, 0.25, 0.43
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.0%us, 0.0%sy, 0.0%ni, 99.0%id, 0.0%wa, 0.0%hi, 1.0%si,
0.0%st
Mem: 8148056k total, 641992k used, 7506064k free, 107000k buffers
Swap: 19802108k total, 0k used, 19802108k free, 332840k cached
```

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

top - 17:51:58 up 1:29, 3 users, load average: 0.00, 0.25, 0.43
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.0%us, 0.0%sy, 0.0%ni, 99.2%id, 0.3%wa, 0.0%hi, 0.5%si, 0.0%st
Mem: 8148056k total, 641992k used, 7506064k free, 107008k buffers
Swap: 19802108k total, 0k used, 19802108k free, 332844k cached

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

top - 17:52:01 up 1:29, 3 users, load average: 0.00, 0.25, 0.43
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.2%us, 0.1%sy, 0.0%ni, 99.1%id, 0.0%wa, 0.0%hi, 0.7%si, 0.0%st
Mem: 8148056k total, 642056k used, 7506000k free, 107008k buffers
Swap: 19802108k total, 0k used, 19802108k free, 332844k cached

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

top - 17:52:04 up 1:29, 3 users, load average: 0.00, 0.24, 0.43
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.0%us, 0.1%sy, 0.0%ni, 99.1%id, 0.2%wa, 0.0%hi, 0.6%si, 0.0%st
Mem: 8148056k total, 641868k used, 7506188k free, 107016k buffers
Swap: 19802108k total, 0k used, 19802108k free, 332844k cached

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

top - 17:52:07 up 1:29, 3 users, load average: 0.00, 0.24, 0.43
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.0%us, 0.0%sy, 0.0%ni, 99.5%id, 0.0%wa, 0.0%hi, 0.5%si, 0.0%st
Mem: 8148056k total, 641868k used, 7506188k free, 107016k buffers
Swap: 19802108k total, 0k used, 19802108k free, 332844k cached

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

top - 17:52:10 up 1:29, 3 users, load average: 0.00, 0.24, 0.42
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.1%us, 0.0%sy, 0.0%ni, 99.3%id, 0.3%wa, 0.0%hi, 0.3%si, 0.0%st
Mem: 8148056k total, 641868k used, 7506188k free, 107024k buffers
Swap: 19802108k total, 0k used, 19802108k free, 332836k cached

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

top - 17:52:13 up 1:29, 3 users, load average: 0.00, 0.23, 0.42
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie

```
Cpu(s):  0.0%us,  0.1%sy,  0.0%ni, 99.5%id,  0.0%wa,  0.0%hi,  0.4%si,
0.0%st
Mem:   8148056k total,    641868k used,  7506188k free,    107024k buffers
Swap: 19802108k total,         0k used, 19802108k free,    332844k cached
```

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

```
top - 17:52:16 up  1:29,  3 users,  load average: 0.00, 0.23, 0.42
Tasks:  1 total,  0 running,  1 sleeping,  0 stopped,  0 zombie
Cpu(s):  0.0%us,  0.0%sy,  0.0%ni, 99.3%id,  0.2%wa,  0.0%hi,  0.6%si,
0.0%st
Mem:   8148056k total,    641868k used,  7506188k free,    107032k buffers
Swap: 19802108k total,         0k used, 19802108k free,    332844k cached
```

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

```
top - 17:52:19 up  1:30,  3 users,  load average: 0.00, 0.23, 0.42
Tasks:  1 total,  0 running,  1 sleeping,  0 stopped,  0 zombie
Cpu(s):  0.0%us,  0.0%sy,  0.0%ni, 99.6%id,  0.0%wa,  0.0%hi,  0.4%si,
0.0%st
Mem:   8148056k total,    641884k used,  7506172k free,    107032k buffers
Swap: 19802108k total,         0k used, 19802108k free,    332844k cached
```

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

```
top - 17:52:22 up  1:30,  3 users,  load average: 0.00, 0.23, 0.42
Tasks:  1 total,  0 running,  1 sleeping,  0 stopped,  0 zombie
Cpu(s):  0.0%us,  0.1%sy,  0.0%ni, 99.4%id,  0.3%wa,  0.0%hi,  0.2%si,
0.0%st
Mem:   8148056k total,    641868k used,  7506188k free,    107040k buffers
Swap: 19802108k total,         0k used, 19802108k free,    332848k cached
```

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

```
top - 17:52:25 up  1:30,  3 users,  load average: 0.00, 0.23, 0.42
Tasks:  1 total,  0 running,  1 sleeping,  0 stopped,  0 zombie
Cpu(s):  0.0%us,  0.0%sy,  0.0%ni, 99.6%id,  0.0%wa,  0.0%hi,  0.4%si,
0.0%st
Mem:   8148056k total,    641868k used,  7506188k free,    107040k buffers
Swap: 19802108k total,         0k used, 19802108k free,    332848k cached
```

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

```
top - 17:52:28 up  1:30,  3 users,  load average: 0.00, 0.22, 0.41
Tasks:  1 total,  0 running,  1 sleeping,  0 stopped,  0 zombie
Cpu(s):  0.0%us,  0.1%sy,  0.0%ni, 99.4%id,  0.2%wa,  0.0%hi,  0.3%si,
0.0%st
Mem:   8148056k total,    641868k used,  7506188k free,    107048k buffers
Swap: 19802108k total,         0k used, 19802108k free,    332840k cached
```

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

```
top - 17:52:31 up 1:30, 3 users, load average: 0.00, 0.22, 0.41
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.0%us, 0.2%sy, 0.0%ni, 99.5%id, 0.0%wa, 0.0%hi, 0.3%si,
0.0%st
Mem: 8148056k total, 641868k used, 7506188k free, 107048k buffers
Swap: 19802108k total, 0k used, 19802108k free, 332848k cached
```

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

```
top - 17:52:34 up 1:30, 3 users, load average: 0.00, 0.22, 0.41
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.0%us, 0.1%sy, 0.0%ni, 99.0%id, 0.2%wa, 0.0%hi, 0.7%si,
0.0%st
Mem: 8148056k total, 641868k used, 7506188k free, 107056k buffers
Swap: 19802108k total, 0k used, 19802108k free, 332848k cached
```

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

```
top - 17:52:37 up 1:30, 3 users, load average: 0.00, 0.22, 0.41
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.0%us, 0.0%sy, 0.0%ni, 99.7%id, 0.0%wa, 0.0%hi, 0.3%si,
0.0%st
Mem: 8148056k total, 641884k used, 7506172k free, 107056k buffers
Swap: 19802108k total, 0k used, 19802108k free, 332848k cached
```

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

```
top - 17:52:40 up 1:30, 3 users, load average: 0.00, 0.22, 0.41
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.2%us, 1.1%sy, 0.0%ni, 97.4%id, 0.6%wa, 0.0%hi, 0.7%si,
0.0%st
Mem: 8148056k total, 641868k used, 7506188k free, 107064k buffers
Swap: 19802108k total, 0k used, 19802108k free, 332840k cached
```

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

```
top - 17:52:43 up 1:30, 3 users, load average: 0.08, 0.23, 0.41
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.0%us, 0.2%sy, 0.0%ni, 99.3%id, 0.0%wa, 0.0%hi, 0.5%si,
0.0%st
Mem: 8148056k total, 641868k used, 7506188k free, 107064k buffers
Swap: 19802108k total, 0k used, 19802108k free, 332852k cached
```

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

```
top - 17:52:46 up 1:30, 3 users, load average: 0.08, 0.23, 0.41
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.1%us, 0.0%sy, 0.0%ni, 99.1%id, 0.5%wa, 0.0%hi, 0.3%si,
0.0%st
Mem: 8148056k total, 641868k used, 7506188k free, 107072k buffers
Swap: 19802108k total, 0k used, 19802108k free, 332856k cached
```


| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

top - 17:52:49 up 1:30, 3 users, load average: 0.08, 0.22, 0.41
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.0%us, 0.0%sy, 0.0%ni, 99.5%id, 0.0%wa, 0.0%hi, 0.5%si, 0.0%st
Mem: 8148056k total, 641884k used, 7506172k free, 107072k buffers
Swap: 19802108k total, 0k used, 19802108k free, 332856k cached

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

top - 17:52:52 up 1:30, 3 users, load average: 0.08, 0.22, 0.41
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.7%us, 0.3%sy, 0.0%ni, 98.2%id, 0.3%wa, 0.0%hi, 0.4%si, 0.0%st
Mem: 8148056k total, 650108k used, 7497948k free, 107080k buffers
Swap: 19802108k total, 0k used, 19802108k free, 341048k cached

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

top - 17:52:55 up 1:30, 3 users, load average: 0.23, 0.25, 0.42
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.0%us, 0.0%sy, 0.0%ni, 99.6%id, 0.0%wa, 0.0%hi, 0.4%si, 0.0%st
Mem: 8148056k total, 650092k used, 7497964k free, 107080k buffers
Swap: 19802108k total, 0k used, 19802108k free, 341048k cached

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

top - 17:52:58 up 1:30, 3 users, load average: 0.21, 0.25, 0.42
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.0%us, 0.0%sy, 0.0%ni, 99.3%id, 0.3%wa, 0.0%hi, 0.3%si, 0.0%st
Mem: 8148056k total, 650092k used, 7497964k free, 107088k buffers
Swap: 19802108k total, 0k used, 19802108k free, 341048k cached

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

top - 17:53:01 up 1:30, 3 users, load average: 0.21, 0.25, 0.42
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.1%us, 0.2%sy, 0.0%ni, 98.8%id, 0.0%wa, 0.0%hi, 1.0%si, 0.0%st
Mem: 8148056k total, 641844k used, 7506212k free, 107088k buffers
Swap: 19802108k total, 0k used, 19802108k free, 332884k cached

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

top - 17:53:04 up 1:30, 3 users, load average: 0.27, 0.26, 0.42
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.3%us, 0.1%sy, 0.0%ni, 97.8%id, 0.5%wa, 0.0%hi, 1.3%si, 0.0%st

Mem: 8148056k total, 641784k used, 7506272k free, 107096k buffers
Swap: 19802108k total, 0k used, 19802108k free, 332884k cached

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

top - 17:53:07 up 1:30, 3 users, load average: 0.27, 0.26, 0.42
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.1%us, 0.0%sy, 0.0%ni, 99.6%id, 0.0%wa, 0.0%hi, 0.3%si, 0.0%st
Mem: 8148056k total, 641800k used, 7506256k free, 107096k buffers
Swap: 19802108k total, 0k used, 19802108k free, 332884k cached

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

top - 17:53:10 up 1:30, 3 users, load average: 0.25, 0.26, 0.42
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.0%us, 0.0%sy, 0.0%ni, 99.4%id, 0.2%wa, 0.0%hi, 0.3%si, 0.0%st
Mem: 8148056k total, 641784k used, 7506272k free, 107104k buffers
Swap: 19802108k total, 0k used, 19802108k free, 332888k cached

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

top - 17:53:13 up 1:30, 3 users, load average: 0.39, 0.29, 0.42
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.0%us, 0.1%sy, 0.0%ni, 99.6%id, 0.0%wa, 0.0%hi, 0.3%si, 0.0%st
Mem: 8148056k total, 641784k used, 7506272k free, 107104k buffers
Swap: 19802108k total, 0k used, 19802108k free, 332888k cached

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

top - 17:53:16 up 1:30, 3 users, load average: 0.39, 0.29, 0.42
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.0%us, 0.0%sy, 0.0%ni, 99.2%id, 0.5%wa, 0.0%hi, 0.3%si, 0.0%st
Mem: 8148056k total, 641924k used, 7506132k free, 107112k buffers
Swap: 19802108k total, 0k used, 19802108k free, 332888k cached

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

top - 17:53:19 up 1:31, 3 users, load average: 0.36, 0.28, 0.42
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.0%us, 0.0%sy, 0.0%ni, 99.6%id, 0.0%wa, 0.0%hi, 0.4%si, 0.0%st
Mem: 8148056k total, 641924k used, 7506132k free, 107112k buffers
Swap: 19802108k total, 0k used, 19802108k free, 332888k cached

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

top - 17:53:22 up 1:31, 3 users, load average: 0.36, 0.28, 0.42

```

Tasks:   1 total,    0 running,    1 sleeping,    0 stopped,    0 zombie
Cpu(s):  0.0%us,   0.0%sy,   0.0%ni, 99.4%id,   0.3%wa,   0.0%hi,   0.3%si,
0.0%st
Mem:   8148056k total,   641924k used,   7506132k free,   107120k buffers
Swap: 19802108k total,    0k used, 19802108k free,   332888k cached

```

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

```

top - 17:53:25 up 1:31, 3 users, load average: 0.49, 0.31, 0.43
Tasks:   1 total,    0 running,    1 sleeping,    0 stopped,    0 zombie
Cpu(s):  0.0%us,   0.0%sy,   0.0%ni, 99.6%id,   0.0%wa,   0.0%hi,   0.4%si,
0.0%st
Mem:   8148056k total,   641908k used,   7506148k free,   107120k buffers
Swap: 19802108k total,    0k used, 19802108k free,   332888k cached

```

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

```

top - 17:53:28 up 1:31, 3 users, load average: 0.45, 0.30, 0.43
Tasks:   1 total,    0 running,    1 sleeping,    0 stopped,    0 zombie
Cpu(s):  0.0%us,   0.0%sy,   0.0%ni, 99.4%id,   0.3%wa,   0.0%hi,   0.3%si,
0.0%st
Mem:   8148056k total,   641908k used,   7506148k free,   107128k buffers
Swap: 19802108k total,    0k used, 19802108k free,   332888k cached

```

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

```

top - 17:53:31 up 1:31, 3 users, load average: 0.45, 0.30, 0.43
Tasks:   1 total,    0 running,    1 sleeping,    0 stopped,    0 zombie
Cpu(s):  0.0%us,   0.1%sy,   0.0%ni, 99.6%id,   0.0%wa,   0.0%hi,   0.3%si,
0.0%st
Mem:   8148056k total,   641908k used,   7506148k free,   107128k buffers
Swap: 19802108k total,    0k used, 19802108k free,   332888k cached

```

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

```

top - 17:53:34 up 1:31, 3 users, load average: 0.50, 0.32, 0.43
Tasks:   1 total,    0 running,    1 sleeping,    0 stopped,    0 zombie
Cpu(s):  0.0%us,   0.1%sy,   0.0%ni, 99.0%id,   0.3%wa,   0.0%hi,   0.6%si,
0.0%st
Mem:   8148056k total,   641924k used,   7506132k free,   107136k buffers
Swap: 19802108k total,    0k used, 19802108k free,   332884k cached

```

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

```

top - 17:53:37 up 1:31, 3 users, load average: 0.50, 0.32, 0.43
Tasks:   1 total,    0 running,    1 sleeping,    0 stopped,    0 zombie
Cpu(s):  0.0%us,   0.0%sy,   0.0%ni, 99.7%id,   0.0%wa,   0.0%hi,   0.3%si,
0.0%st
Mem:   8148056k total,   641908k used,   7506148k free,   107136k buffers
Swap: 19802108k total,    0k used, 19802108k free,   332892k cached

```

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

```

top - 17:53:40 up 1:31, 3 users, load average: 0.46, 0.31, 0.43
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.0%us, 0.0%sy, 0.0%ni, 99.2%id, 0.4%wa, 0.0%hi, 0.4%si,
0.0%st
Mem: 8148056k total, 641908k used, 7506148k free, 107144k buffers
Swap: 19802108k total, 0k used, 19802108k free, 332884k cached

```

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

```

top - 17:53:43 up 1:31, 3 users, load average: 0.50, 0.32, 0.43
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.0%us, 0.2%sy, 0.0%ni, 99.5%id, 0.0%wa, 0.0%hi, 0.3%si,
0.0%st
Mem: 8148056k total, 641924k used, 7506132k free, 107144k buffers
Swap: 19802108k total, 0k used, 19802108k free, 332892k cached

```

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

```

top - 17:53:46 up 1:31, 3 users, load average: 0.50, 0.32, 0.43
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.0%us, 0.0%sy, 0.0%ni, 99.3%id, 0.2%wa, 0.0%hi, 0.5%si,
0.0%st
Mem: 8148056k total, 641908k used, 7506148k free, 107152k buffers
Swap: 19802108k total, 0k used, 19802108k free, 332892k cached

```

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

```

top - 17:53:49 up 1:31, 3 users, load average: 0.46, 0.32, 0.43
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.0%us, 0.0%sy, 0.0%ni, 99.8%id, 0.0%wa, 0.0%hi, 0.2%si,
0.0%st
Mem: 8148056k total, 641908k used, 7506148k free, 107152k buffers
Swap: 19802108k total, 0k used, 19802108k free, 332892k cached

```

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

```

top - 17:53:52 up 1:31, 3 users, load average: 0.46, 0.32, 0.43
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.0%us, 0.1%sy, 0.0%ni, 99.2%id, 0.2%wa, 0.0%hi, 0.5%si,
0.0%st
Mem: 8148056k total, 641924k used, 7506132k free, 107160k buffers
Swap: 19802108k total, 0k used, 19802108k free, 332892k cached

```

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

```

top - 17:53:55 up 1:31, 3 users, load average: 0.58, 0.34, 0.44
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.0%us, 0.0%sy, 0.0%ni, 99.6%id, 0.0%wa, 0.0%hi, 0.4%si,
0.0%st
Mem: 8148056k total, 641908k used, 7506148k free, 107160k buffers
Swap: 19802108k total, 0k used, 19802108k free, 332896k cached

```

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

top - 17:53:58 up 1:31, 3 users, load average: 0.54, 0.34, 0.43
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.0%us, 0.0%sy, 0.0%ni, 99.4%id, 0.3%wa, 0.0%hi, 0.3%si, 0.0%st
Mem: 8148056k total, 641908k used, 7506148k free, 107168k buffers
Swap: 19802108k total, 0k used, 19802108k free, 332896k cached

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

top - 17:54:01 up 1:31, 3 users, load average: 0.54, 0.34, 0.43
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.0%us, 0.1%sy, 0.0%ni, 99.5%id, 0.0%wa, 0.0%hi, 0.4%si, 0.0%st
Mem: 8148056k total, 641924k used, 7506132k free, 107168k buffers
Swap: 19802108k total, 0k used, 19802108k free, 332896k cached

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

top - 17:54:04 up 1:31, 3 users, load average: 0.57, 0.35, 0.44
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.0%us, 0.0%sy, 0.0%ni, 99.2%id, 0.2%wa, 0.0%hi, 0.7%si, 0.0%st
Mem: 8148056k total, 641908k used, 7506148k free, 107176k buffers
Swap: 19802108k total, 0k used, 19802108k free, 332888k cached

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

top - 17:54:07 up 1:31, 3 users, load average: 0.57, 0.35, 0.44
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.1%us, 0.1%sy, 0.0%ni, 99.5%id, 0.0%wa, 0.0%hi, 0.3%si, 0.0%st
Mem: 8148056k total, 641908k used, 7506148k free, 107176k buffers
Swap: 19802108k total, 0k used, 19802108k free, 332896k cached

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

top - 17:54:10 up 1:31, 3 users, load average: 0.53, 0.34, 0.44
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.0%us, 0.0%sy, 0.0%ni, 99.4%id, 0.2%wa, 0.0%hi, 0.4%si, 0.0%st
Mem: 8148056k total, 641924k used, 7506132k free, 107184k buffers
Swap: 19802108k total, 0k used, 19802108k free, 332896k cached

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

top - 17:54:13 up 1:31, 3 users, load average: 0.57, 0.35, 0.44
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie

```
Cpu(s):  0.0%us,  0.0%sy,  0.0%ni, 99.4%id,  0.0%wa,  0.0%hi,  0.6%si,
0.0%st
Mem:   8148056k total,   641908k used,  7506148k free,   107184k buffers
Swap: 19802108k total,         0k used, 19802108k free,   332896k cached
```

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

```
top - 17:54:16 up  1:31,  3 users,  load average: 0.57, 0.35, 0.44
Tasks:  1 total,  0 running,  1 sleeping,  0 stopped,  0 zombie
Cpu(s):  0.0%us,  0.1%sy,  0.0%ni, 99.3%id,  0.2%wa,  0.0%hi,  0.4%si,
0.0%st
Mem:   8148056k total,   641924k used,  7506132k free,   107192k buffers
Swap: 19802108k total,         0k used, 19802108k free,   332896k cached
```

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

```
top - 17:54:19 up  1:32,  3 users,  load average: 0.52, 0.35, 0.44
Tasks:  1 total,  0 running,  1 sleeping,  0 stopped,  0 zombie
Cpu(s):  0.0%us,  0.0%sy,  0.0%ni, 99.6%id,  0.0%wa,  0.0%hi,  0.4%si,
0.0%st
Mem:   8148056k total,   641908k used,  7506148k free,   107192k buffers
Swap: 19802108k total,         0k used, 19802108k free,   332900k cached
```

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

```
top - 17:54:22 up  1:32,  3 users,  load average: 0.52, 0.35, 0.44
Tasks:  1 total,  0 running,  1 sleeping,  0 stopped,  0 zombie
Cpu(s):  0.0%us,  0.0%sy,  0.0%ni, 99.2%id,  0.3%wa,  0.0%hi,  0.5%si,
0.0%st
Mem:   8148056k total,   641924k used,  7506132k free,   107200k buffers
Swap: 19802108k total,         0k used, 19802108k free,   332900k cached
```

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

```
top - 17:54:25 up  1:32,  3 users,  load average: 0.56, 0.36, 0.44
Tasks:  1 total,  0 running,  1 sleeping,  0 stopped,  0 zombie
Cpu(s):  0.0%us,  0.1%sy,  0.0%ni, 99.5%id,  0.0%wa,  0.0%hi,  0.4%si,
0.0%st
Mem:   8148056k total,   641908k used,  7506148k free,   107200k buffers
Swap: 19802108k total,         0k used, 19802108k free,   332900k cached
```

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

```
top - 17:54:28 up  1:32,  3 users,  load average: 0.51, 0.35, 0.44
Tasks:  1 total,  0 running,  1 sleeping,  0 stopped,  0 zombie
Cpu(s):  0.0%us,  0.0%sy,  0.0%ni, 99.3%id,  0.5%wa,  0.0%hi,  0.2%si,
0.0%st
Mem:   8148056k total,   641908k used,  7506148k free,   107208k buffers
Swap: 19802108k total,         0k used, 19802108k free,   332900k cached
```

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

```
top - 17:54:31 up 1:32, 3 users, load average: 0.51, 0.35, 0.44
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.0%us, 0.1%sy, 0.0%ni, 99.6%id, 0.0%wa, 0.0%hi, 0.3%si,
0.0%st
Mem: 8148056k total, 641908k used, 7506148k free, 107208k buffers
Swap: 19802108k total, 0k used, 19802108k free, 332900k cached
```

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

```
top - 17:54:34 up 1:32, 3 users, load average: 0.47, 0.35, 0.43
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.0%us, 0.0%sy, 0.0%ni, 99.1%id, 0.3%wa, 0.0%hi, 0.6%si,
0.0%st
Mem: 8148056k total, 641924k used, 7506132k free, 107216k buffers
Swap: 19802108k total, 0k used, 19802108k free, 332900k cached
```

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

```
top - 17:54:37 up 1:32, 3 users, load average: 0.47, 0.35, 0.43
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.0%us, 0.1%sy, 0.0%ni, 99.5%id, 0.0%wa, 0.0%hi, 0.4%si,
0.0%st
Mem: 8148056k total, 641908k used, 7506148k free, 107216k buffers
Swap: 19802108k total, 0k used, 19802108k free, 332900k cached
```

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

```
top - 17:54:40 up 1:32, 3 users, load average: 0.43, 0.34, 0.43
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.0%us, 0.0%sy, 0.0%ni, 99.0%id, 0.6%wa, 0.0%hi, 0.3%si,
0.0%st
Mem: 8148056k total, 641908k used, 7506148k free, 107224k buffers
Swap: 19802108k total, 0k used, 19802108k free, 332892k cached
```

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

```
top - 17:54:43 up 1:32, 3 users, load average: 0.48, 0.35, 0.43
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.0%us, 0.1%sy, 0.0%ni, 99.7%id, 0.0%wa, 0.0%hi, 0.3%si,
0.0%st
Mem: 8148056k total, 641924k used, 7506132k free, 107224k buffers
Swap: 19802108k total, 0k used, 19802108k free, 332904k cached
```

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

```
top - 17:54:46 up 1:32, 3 users, load average: 0.48, 0.35, 0.43
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.0%us, 0.0%sy, 0.0%ni, 99.1%id, 0.4%wa, 0.0%hi, 0.4%si,
0.0%st
Mem: 8148056k total, 641924k used, 7506132k free, 107232k buffers
Swap: 19802108k total, 0k used, 19802108k free, 332904k cached
```

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

top - 17:54:49 up 1:32, 3 users, load average: 0.44, 0.35, 0.43
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.0%us, 0.0%sy, 0.0%ni, 99.6%id, 0.0%wa, 0.0%hi, 0.4%si, 0.0%st
Mem: 8148056k total, 641908k used, 7506148k free, 107232k buffers
Swap: 19802108k total, 0k used, 19802108k free, 332904k cached

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

top - 17:54:52 up 1:32, 3 users, load average: 0.44, 0.35, 0.43
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.0%us, 0.0%sy, 0.0%ni, 99.3%id, 0.4%wa, 0.0%hi, 0.3%si, 0.0%st
Mem: 8148056k total, 642048k used, 7506008k free, 107240k buffers
Swap: 19802108k total, 0k used, 19802108k free, 332904k cached

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

top - 17:54:55 up 1:32, 3 users, load average: 0.41, 0.34, 0.43
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.0%us, 0.1%sy, 0.0%ni, 98.9%id, 0.0%wa, 0.0%hi, 1.0%si, 0.0%st
Mem: 8148056k total, 642032k used, 7506024k free, 107240k buffers
Swap: 19802108k total, 0k used, 19802108k free, 332904k cached

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

top - 17:54:58 up 1:32, 3 users, load average: 0.37, 0.33, 0.43
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.0%us, 0.1%sy, 0.0%ni, 98.9%id, 0.5%wa, 0.0%hi, 0.5%si, 0.0%st
Mem: 8148056k total, 642032k used, 7506024k free, 107248k buffers
Swap: 19802108k total, 0k used, 19802108k free, 332904k cached

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

top - 17:55:01 up 1:32, 3 users, load average: 0.37, 0.33, 0.43
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.1%us, 0.1%sy, 0.0%ni, 99.2%id, 0.0%wa, 0.0%hi, 0.7%si, 0.0%st
Mem: 8148056k total, 642032k used, 7506024k free, 107248k buffers
Swap: 19802108k total, 0k used, 19802108k free, 332904k cached

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

top - 17:55:04 up 1:32, 3 users, load average: 0.42, 0.35, 0.43
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.0%us, 0.0%sy, 0.0%ni, 99.0%id, 0.5%wa, 0.0%hi, 0.5%si, 0.0%st

Mem: 8148056k total, 642032k used, 7506024k free, 107256k buffers
Swap: 19802108k total, 0k used, 19802108k free, 332896k cached

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

top - 17:55:07 up 1:32, 3 users, load average: 0.42, 0.35, 0.43
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.0%us, 0.1%sy, 0.0%ni, 98.8%id, 0.0%wa, 0.0%hi, 1.1%si, 0.0%st
Mem: 8148056k total, 642048k used, 7506008k free, 107256k buffers
Swap: 19802108k total, 0k used, 19802108k free, 332908k cached

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

top - 17:55:10 up 1:32, 3 users, load average: 0.39, 0.34, 0.43
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.1%us, 0.0%sy, 0.0%ni, 99.0%id, 0.5%wa, 0.0%hi, 0.4%si, 0.0%st
Mem: 8148056k total, 642048k used, 7506008k free, 107264k buffers
Swap: 19802108k total, 0k used, 19802108k free, 332900k cached

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

top - 17:55:13 up 1:32, 3 users, load average: 0.44, 0.35, 0.43
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.0%us, 0.0%sy, 0.0%ni, 99.7%id, 0.0%wa, 0.0%hi, 0.3%si, 0.0%st
Mem: 8148056k total, 642032k used, 7506024k free, 107264k buffers
Swap: 19802108k total, 0k used, 19802108k free, 332908k cached

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

top - 17:55:16 up 1:32, 3 users, load average: 0.44, 0.35, 0.43
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.0%us, 0.1%sy, 0.0%ni, 99.2%id, 0.3%wa, 0.0%hi, 0.5%si, 0.0%st
Mem: 8148056k total, 642032k used, 7506024k free, 107272k buffers
Swap: 19802108k total, 0k used, 19802108k free, 332900k cached

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

top - 17:55:19 up 1:33, 3 users, load average: 0.40, 0.35, 0.43
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.0%us, 0.0%sy, 0.0%ni, 99.6%id, 0.0%wa, 0.0%hi, 0.4%si, 0.0%st
Mem: 8148056k total, 642032k used, 7506024k free, 107272k buffers
Swap: 19802108k total, 0k used, 19802108k free, 332908k cached

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

top - 17:55:22 up 1:33, 3 users, load average: 0.40, 0.35, 0.43

```

Tasks:   1 total,    0 running,    1 sleeping,    0 stopped,    0 zombie
Cpu(s):  0.0%us,   0.0%sy,   0.0%ni, 99.3%id,   0.4%wa,   0.0%hi,   0.3%si,
0.0%st
Mem:   8148056k total,   642032k used,   7506024k free,   107280k buffers
Swap: 19802108k total,    0k used, 19802108k free,   332908k cached

```

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

```

top - 17:55:25 up 1:33, 3 users, load average: 0.45, 0.36, 0.43
Tasks:   1 total,    0 running,    1 sleeping,    0 stopped,    0 zombie
Cpu(s):  0.0%us,   0.0%sy,   0.0%ni, 99.7%id,   0.0%wa,   0.0%hi,   0.3%si,
0.0%st
Mem:   8148056k total,   642048k used,   7506008k free,   107280k buffers
Swap: 19802108k total,    0k used, 19802108k free,   332908k cached

```

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

```

top - 17:55:28 up 1:33, 3 users, load average: 0.42, 0.35, 0.43
Tasks:   1 total,    0 running,    1 sleeping,    0 stopped,    0 zombie
Cpu(s):  0.0%us,   0.1%sy,   0.0%ni, 98.8%id,   0.5%wa,   0.0%hi,   0.6%si,
0.0%st
Mem:   8148056k total,   642032k used,   7506024k free,   107288k buffers
Swap: 19802108k total,    0k used, 19802108k free,   332908k cached

```

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

```

top - 17:55:31 up 1:33, 3 users, load average: 0.42, 0.35, 0.43
Tasks:   1 total,    0 running,    1 sleeping,    0 stopped,    0 zombie
Cpu(s):  0.0%us,   0.0%sy,   0.0%ni, 99.6%id,   0.0%wa,   0.0%hi,   0.4%si,
0.0%st
Mem:   8148056k total,   642032k used,   7506024k free,   107288k buffers
Swap: 19802108k total,    0k used, 19802108k free,   332912k cached

```

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

```

top - 17:55:34 up 1:33, 3 users, load average: 0.38, 0.34, 0.43
Tasks:   1 total,    0 running,    1 sleeping,    0 stopped,    0 zombie
Cpu(s):  0.0%us,   0.0%sy,   0.0%ni, 98.8%id,   0.5%wa,   0.0%hi,   0.7%si,
0.0%st
Mem:   8148056k total,   642032k used,   7506024k free,   107296k buffers
Swap: 19802108k total,    0k used, 19802108k free,   332912k cached

```

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

```

top - 17:55:37 up 1:33, 3 users, load average: 0.38, 0.34, 0.43
Tasks:   1 total,    0 running,    1 sleeping,    0 stopped,    0 zombie
Cpu(s):  0.0%us,   0.0%sy,   0.0%ni, 99.7%id,   0.0%wa,   0.0%hi,   0.3%si,
0.0%st
Mem:   8148056k total,   642032k used,   7506024k free,   107296k buffers
Swap: 19802108k total,    0k used, 19802108k free,   332912k cached

```

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

```

top - 17:55:40 up 1:33, 3 users, load average: 0.35, 0.34, 0.42
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.0%us, 0.0%sy, 0.0%ni, 98.5%id, 0.5%wa, 0.0%hi, 1.1%si, 0.0%st
Mem: 8148056k total, 642048k used, 7506008k free, 107304k buffers
Swap: 19802108k total, 0k used, 19802108k free, 332904k cached

```

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

```

top - 17:55:43 up 1:33, 3 users, load average: 0.32, 0.33, 0.42
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.1%us, 0.0%sy, 0.0%ni, 99.5%id, 0.0%wa, 0.0%hi, 0.4%si, 0.0%st
Mem: 8148056k total, 642048k used, 7506008k free, 107304k buffers
Swap: 19802108k total, 0k used, 19802108k free, 332912k cached

```

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

```

top - 17:55:46 up 1:33, 3 users, load average: 0.32, 0.33, 0.42
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.0%us, 0.1%sy, 0.0%ni, 99.2%id, 0.3%wa, 0.0%hi, 0.4%si, 0.0%st
Mem: 8148056k total, 642032k used, 7506024k free, 107312k buffers
Swap: 19802108k total, 0k used, 19802108k free, 332904k cached

```

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

```

top - 17:55:49 up 1:33, 3 users, load average: 0.30, 0.33, 0.42
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.0%us, 0.0%sy, 0.0%ni, 99.6%id, 0.0%wa, 0.0%hi, 0.4%si, 0.0%st
Mem: 8148056k total, 642032k used, 7506024k free, 107312k buffers
Swap: 19802108k total, 0k used, 19802108k free, 332912k cached

```

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

```

top - 17:55:52 up 1:33, 3 users, load average: 0.30, 0.33, 0.42
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.0%us, 0.1%sy, 0.0%ni, 99.1%id, 0.5%wa, 0.0%hi, 0.4%si, 0.0%st
Mem: 8148056k total, 642032k used, 7506024k free, 107320k buffers
Swap: 19802108k total, 0k used, 19802108k free, 332916k cached

```

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

```

top - 17:55:55 up 1:33, 3 users, load average: 0.27, 0.32, 0.42
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.0%us, 0.0%sy, 0.0%ni, 99.7%id, 0.0%wa, 0.0%hi, 0.3%si, 0.0%st
Mem: 8148056k total, 642032k used, 7506024k free, 107320k buffers
Swap: 19802108k total, 0k used, 19802108k free, 332916k cached

```

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

top - 17:55:58 up 1:33, 3 users, load average: 0.25, 0.32, 0.41
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.0%us, 0.0%sy, 0.0%ni, 99.5%id, 0.2%wa, 0.0%hi, 0.4%si, 0.0%st
Mem: 8148056k total, 642048k used, 7506008k free, 107328k buffers
Swap: 19802108k total, 0k used, 19802108k free, 332908k cached

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

top - 17:56:01 up 1:33, 3 users, load average: 0.25, 0.32, 0.41
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.1%us, 0.1%sy, 0.0%ni, 99.5%id, 0.0%wa, 0.0%hi, 0.4%si, 0.0%st
Mem: 8148056k total, 642048k used, 7506008k free, 107328k buffers
Swap: 19802108k total, 0k used, 19802108k free, 332916k cached

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

top - 17:56:04 up 1:33, 3 users, load average: 0.23, 0.31, 0.41
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.0%us, 0.0%sy, 0.0%ni, 98.9%id, 0.2%wa, 0.0%hi, 0.9%si, 0.0%st
Mem: 8148056k total, 642048k used, 7506008k free, 107336k buffers
Swap: 19802108k total, 0k used, 19802108k free, 332916k cached

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

top - 17:56:07 up 1:33, 3 users, load average: 0.23, 0.31, 0.41
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.0%us, 0.0%sy, 0.0%ni, 99.7%id, 0.0%wa, 0.0%hi, 0.3%si, 0.0%st
Mem: 8148056k total, 642032k used, 7506024k free, 107336k buffers
Swap: 19802108k total, 0k used, 19802108k free, 332916k cached

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

top - 17:56:10 up 1:33, 3 users, load average: 0.21, 0.31, 0.41
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.1%us, 0.1%sy, 0.0%ni, 98.8%id, 0.2%wa, 0.0%hi, 0.8%si, 0.0%st
Mem: 8148056k total, 642032k used, 7506024k free, 107344k buffers
Swap: 19802108k total, 0k used, 19802108k free, 332916k cached

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

top - 17:56:13 up 1:33, 3 users, load average: 0.20, 0.30, 0.41
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie

```
Cpu(s):  0.0%us,  0.0%sy,  0.0%ni, 99.6%id,  0.0%wa,  0.0%hi,  0.4%si,
0.0%st
Mem:   8148056k total,    642032k used,   7506024k free,    107344k buffers
Swap: 19802108k total,         0k used, 19802108k free,    332916k cached
```

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

```
top - 17:56:16 up  1:33,  3 users,  load average: 0.20, 0.30, 0.41
Tasks:  1 total,  0 running,  1 sleeping,  0 stopped,  0 zombie
Cpu(s):  0.0%us,  0.1%sy,  0.0%ni, 99.1%id,  0.2%wa,  0.0%hi,  0.6%si,
0.0%st
Mem:   8148056k total,    642032k used,   7506024k free,    107352k buffers
Swap: 19802108k total,         0k used, 19802108k free,    332920k cached
```

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

```
top - 17:56:19 up  1:34,  3 users,  load average: 0.18, 0.30, 0.40
Tasks:  1 total,  0 running,  1 sleeping,  0 stopped,  0 zombie
Cpu(s):  0.0%us,  0.0%sy,  0.0%ni, 99.4%id,  0.0%wa,  0.0%hi,  0.6%si,
0.0%st
Mem:   8148056k total,    642032k used,   7506024k free,    107352k buffers
Swap: 19802108k total,         0k used, 19802108k free,    332920k cached
```

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

```
top - 17:56:22 up  1:34,  3 users,  load average: 0.18, 0.30, 0.40
Tasks:  1 total,  0 running,  1 sleeping,  0 stopped,  0 zombie
Cpu(s):  0.0%us,  0.0%sy,  0.0%ni, 99.0%id,  0.5%wa,  0.0%hi,  0.6%si,
0.0%st
Mem:   8148056k total,    642156k used,   7505900k free,    107360k buffers
Swap: 19802108k total,         0k used, 19802108k free,    332912k cached
```

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

```
top - 17:56:25 up  1:34,  3 users,  load average: 0.17, 0.29, 0.40
Tasks:  1 total,  0 running,  1 sleeping,  0 stopped,  0 zombie
Cpu(s):  0.0%us,  0.0%sy,  0.0%ni, 99.6%id,  0.0%wa,  0.0%hi,  0.4%si,
0.0%st
Mem:   8148056k total,    642156k used,   7505900k free,    107360k buffers
Swap: 19802108k total,         0k used, 19802108k free,    332920k cached
```

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

```
top - 17:56:28 up  1:34,  3 users,  load average: 0.15, 0.29, 0.40
Tasks:  1 total,  0 running,  1 sleeping,  0 stopped,  0 zombie
Cpu(s):  0.0%us,  0.0%sy,  0.0%ni, 99.4%id,  0.4%wa,  0.0%hi,  0.2%si,
0.0%st
Mem:   8148056k total,    642156k used,   7505900k free,    107368k buffers
Swap: 19802108k total,         0k used, 19802108k free,    332912k cached
```

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

```
top - 17:56:31 up 1:34, 3 users, load average: 0.15, 0.29, 0.40
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.0%us, 0.1%sy, 0.0%ni, 99.4%id, 0.0%wa, 0.0%hi, 0.5%si,
0.0%st
Mem: 8148056k total, 642156k used, 7505900k free, 107368k buffers
Swap: 19802108k total, 0k used, 19802108k free, 332920k cached
```

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

```
top - 17:56:34 up 1:34, 3 users, load average: 0.14, 0.28, 0.40
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.0%us, 0.0%sy, 0.0%ni, 99.0%id, 0.5%wa, 0.0%hi, 0.6%si,
0.0%st
Mem: 8148056k total, 642172k used, 7505884k free, 107376k buffers
Swap: 19802108k total, 0k used, 19802108k free, 332920k cached
```

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

```
top - 17:56:37 up 1:34, 3 users, load average: 0.14, 0.28, 0.40
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.0%us, 0.0%sy, 0.0%ni, 99.5%id, 0.0%wa, 0.0%hi, 0.5%si,
0.0%st
Mem: 8148056k total, 642156k used, 7505900k free, 107376k buffers
Swap: 19802108k total, 0k used, 19802108k free, 332920k cached
```

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

```
top - 17:56:40 up 1:34, 3 users, load average: 0.13, 0.28, 0.40
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.0%us, 0.0%sy, 0.0%ni, 99.3%id, 0.3%wa, 0.0%hi, 0.4%si,
0.0%st
Mem: 8148056k total, 642172k used, 7505884k free, 107384k buffers
Swap: 19802108k total, 0k used, 19802108k free, 332920k cached
```

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

```
top - 17:56:43 up 1:34, 3 users, load average: 0.12, 0.27, 0.39
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.0%us, 0.0%sy, 0.0%ni, 99.7%id, 0.0%wa, 0.0%hi, 0.3%si,
0.0%st
Mem: 8148056k total, 642156k used, 7505900k free, 107384k buffers
Swap: 19802108k total, 0k used, 19802108k free, 332924k cached
```

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

```
top - 17:56:46 up 1:34, 3 users, load average: 0.12, 0.27, 0.39
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.0%us, 0.1%sy, 0.0%ni, 99.0%id, 0.3%wa, 0.0%hi, 0.6%si,
0.0%st
Mem: 8148056k total, 642172k used, 7505884k free, 107392k buffers
Swap: 19802108k total, 0k used, 19802108k free, 332924k cached
```

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

top - 17:56:49 up 1:34, 3 users, load average: 0.11, 0.27, 0.39
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.0%us, 0.0%sy, 0.0%ni, 99.6%id, 0.0%wa, 0.0%hi, 0.4%si, 0.0%st
Mem: 8148056k total, 642172k used, 7505884k free, 107392k buffers
Swap: 19802108k total, 0k used, 19802108k free, 332924k cached

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

top - 17:56:52 up 1:34, 3 users, load average: 0.11, 0.27, 0.39
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.0%us, 0.0%sy, 0.0%ni, 99.1%id, 0.5%wa, 0.0%hi, 0.4%si, 0.0%st
Mem: 8148056k total, 642172k used, 7505884k free, 107400k buffers
Swap: 19802108k total, 0k used, 19802108k free, 332924k cached

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

top - 17:56:55 up 1:34, 3 users, load average: 0.10, 0.26, 0.39
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.0%us, 0.0%sy, 0.0%ni, 99.6%id, 0.0%wa, 0.0%hi, 0.4%si, 0.0%st
Mem: 8148056k total, 642156k used, 7505900k free, 107400k buffers
Swap: 19802108k total, 0k used, 19802108k free, 332924k cached

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

top - 17:56:58 up 1:34, 3 users, load average: 0.09, 0.26, 0.39
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.0%us, 0.1%sy, 0.0%ni, 99.0%id, 0.5%wa, 0.0%hi, 0.4%si, 0.0%st
Mem: 8148056k total, 642172k used, 7505884k free, 107408k buffers
Swap: 19802108k total, 0k used, 19802108k free, 332924k cached

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

top - 17:57:01 up 1:34, 3 users, load average: 0.09, 0.26, 0.39
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.2%us, 0.0%sy, 0.0%ni, 99.0%id, 0.0%wa, 0.0%hi, 0.8%si, 0.0%st
Mem: 8148056k total, 642156k used, 7505900k free, 107408k buffers
Swap: 19802108k total, 0k used, 19802108k free, 332924k cached

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

top - 17:57:04 up 1:34, 3 users, load average: 0.09, 0.25, 0.39
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.0%us, 0.0%sy, 0.0%ni, 99.0%id, 0.5%wa, 0.0%hi, 0.5%si, 0.0%st

Mem: 8148056k total, 642156k used, 7505900k free, 107416k buffers
Swap: 19802108k total, 0k used, 19802108k free, 332928k cached

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

top - 17:57:07 up 1:34, 3 users, load average: 0.09, 0.25, 0.39
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.0%us, 0.1%sy, 0.0%ni, 99.7%id, 0.0%wa, 0.0%hi, 0.3%si, 0.0%st
Mem: 8148056k total, 642172k used, 7505884k free, 107416k buffers
Swap: 19802108k total, 0k used, 19802108k free, 332928k cached

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

top - 17:57:10 up 1:34, 3 users, load average: 0.08, 0.25, 0.39
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.0%us, 0.0%sy, 0.0%ni, 99.7%id, 0.0%wa, 0.0%hi, 0.3%si, 0.0%st
Mem: 8148056k total, 642172k used, 7505884k free, 107424k buffers
Swap: 19802108k total, 0k used, 19802108k free, 332920k cached

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

top - 17:57:13 up 1:34, 3 users, load average: 0.07, 0.25, 0.38
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.0%us, 0.1%sy, 0.0%ni, 99.3%id, 0.2%wa, 0.0%hi, 0.4%si, 0.0%st
Mem: 8148056k total, 642172k used, 7505884k free, 107424k buffers
Swap: 19802108k total, 0k used, 19802108k free, 332928k cached

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

top - 17:57:16 up 1:34, 3 users, load average: 0.07, 0.25, 0.38
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.0%us, 0.0%sy, 0.0%ni, 99.6%id, 0.0%wa, 0.0%hi, 0.4%si, 0.0%st
Mem: 8148056k total, 642156k used, 7505900k free, 107424k buffers
Swap: 19802108k total, 0k used, 19802108k free, 332928k cached

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

top - 17:57:19 up 1:35, 3 users, load average: 0.07, 0.24, 0.38
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.0%us, 0.0%sy, 0.0%ni, 99.5%id, 0.2%wa, 0.0%hi, 0.3%si, 0.0%st
Mem: 8148056k total, 642172k used, 7505884k free, 107432k buffers
Swap: 19802108k total, 0k used, 19802108k free, 332928k cached

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

top - 17:57:22 up 1:35, 3 users, load average: 0.07, 0.24, 0.38


```

Tasks:   1 total,    0 running,    1 sleeping,    0 stopped,    0 zombie
Cpu(s):  0.0%us,   0.1%sy,   0.0%ni, 99.4%id,   0.0%wa,   0.0%hi,   0.5%si,
0.0%st
Mem:    8148056k total,    642156k used,    7505900k free,    107432k buffers
Swap: 19802108k total,         0k used, 19802108k free,    332928k cached

```

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

```

top - 17:57:25 up 1:35, 3 users, load average: 0.06, 0.24, 0.38
Tasks:   1 total,    0 running,    1 sleeping,    0 stopped,    0 zombie
Cpu(s):  0.0%us,   0.1%sy,   0.0%ni, 99.0%id,   0.5%wa,   0.0%hi,   0.4%si,
0.0%st
Mem:    8148056k total,    642172k used,    7505884k free,    107440k buffers
Swap: 19802108k total,         0k used, 19802108k free,    332928k cached

```

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

```

top - 17:57:28 up 1:35, 3 users, load average: 0.06, 0.23, 0.38
Tasks:   1 total,    0 running,    1 sleeping,    0 stopped,    0 zombie
Cpu(s):  0.0%us,   0.0%sy,   0.0%ni, 99.7%id,   0.0%wa,   0.0%hi,   0.3%si,
0.0%st
Mem:    8148056k total,    642156k used,    7505900k free,    107440k buffers
Swap: 19802108k total,         0k used, 19802108k free,    332932k cached

```

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

```

top - 17:57:31 up 1:35, 3 users, load average: 0.06, 0.23, 0.38
Tasks:   1 total,    0 running,    1 sleeping,    0 stopped,    0 zombie
Cpu(s):  0.0%us,   0.0%sy,   0.0%ni, 99.7%id,   0.0%wa,   0.0%hi,   0.3%si,
0.0%st
Mem:    8148056k total,    642156k used,    7505900k free,    107448k buffers
Swap: 19802108k total,         0k used, 19802108k free,    332924k cached

```

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

```

top - 17:57:34 up 1:35, 3 users, load average: 0.05, 0.23, 0.38
Tasks:   1 total,    0 running,    1 sleeping,    0 stopped,    0 zombie
Cpu(s):  0.1%us,   0.0%sy,   0.0%ni, 99.1%id,   0.5%wa,   0.0%hi,   0.4%si,
0.0%st
Mem:    8148056k total,    642156k used,    7505900k free,    107448k buffers
Swap: 19802108k total,         0k used, 19802108k free,    332932k cached

```

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

```

top - 17:57:37 up 1:35, 3 users, load average: 0.05, 0.23, 0.38
Tasks:   1 total,    0 running,    1 sleeping,    0 stopped,    0 zombie
Cpu(s):  0.0%us,   0.1%sy,   0.0%ni, 99.4%id,   0.2%wa,   0.0%hi,   0.3%si,
0.0%st
Mem:    8148056k total,    642156k used,    7505900k free,    107456k buffers
Swap: 19802108k total,         0k used, 19802108k free,    332932k cached

```

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

```

top - 17:57:40 up 1:35, 3 users, load average: 0.05, 0.23, 0.37
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.0%us, 0.1%sy, 0.0%ni, 99.3%id, 0.3%wa, 0.0%hi, 0.4%si,
0.0%st
Mem: 8148056k total, 642172k used, 7505884k free, 107456k buffers
Swap: 19802108k total, 0k used, 19802108k free, 332932k cached

```

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

```

top - 17:57:43 up 1:35, 3 users, load average: 0.04, 0.22, 0.37
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.0%us, 0.0%sy, 0.0%ni, 99.1%id, 0.2%wa, 0.0%hi, 0.7%si,
0.0%st
Mem: 8148056k total, 642172k used, 7505884k free, 107464k buffers
Swap: 19802108k total, 0k used, 19802108k free, 332932k cached

```

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

```

top - 17:57:46 up 1:35, 3 users, load average: 0.04, 0.22, 0.37
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.0%us, 0.0%sy, 0.0%ni, 99.6%id, 0.0%wa, 0.0%hi, 0.4%si,
0.0%st
Mem: 8148056k total, 642156k used, 7505900k free, 107464k buffers
Swap: 19802108k total, 0k used, 19802108k free, 332932k cached

```

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

```

top - 17:57:49 up 1:35, 3 users, load average: 0.04, 0.22, 0.37
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.1%us, 0.1%sy, 0.0%ni, 99.3%id, 0.2%wa, 0.0%hi, 0.4%si,
0.0%st
Mem: 8148056k total, 642156k used, 7505900k free, 107472k buffers
Swap: 19802108k total, 0k used, 19802108k free, 332928k cached

```

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

```

top - 17:57:52 up 1:35, 3 users, load average: 0.04, 0.22, 0.37
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.0%us, 0.0%sy, 0.0%ni, 99.6%id, 0.0%wa, 0.0%hi, 0.4%si,
0.0%st
Mem: 8148056k total, 642172k used, 7505884k free, 107472k buffers
Swap: 19802108k total, 0k used, 19802108k free, 332936k cached

```

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

```

top - 17:57:55 up 1:35, 3 users, load average: 0.04, 0.22, 0.37
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.0%us, 0.1%sy, 0.0%ni, 99.2%id, 0.2%wa, 0.0%hi, 0.5%si,
0.0%st
Mem: 8148056k total, 642156k used, 7505900k free, 107480k buffers
Swap: 19802108k total, 0k used, 19802108k free, 332928k cached

```

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

top - 17:57:58 up 1:35, 3 users, load average: 0.03, 0.21, 0.37
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.0%us, 0.0%sy, 0.0%ni, 99.2%id, 0.4%wa, 0.0%hi, 0.4%si, 0.0%st
Mem: 8148056k total, 642172k used, 7505884k free, 107480k buffers
Swap: 19802108k total, 0k used, 19802108k free, 332936k cached

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

top - 17:58:01 up 1:35, 3 users, load average: 0.03, 0.21, 0.37
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.1%us, 0.0%sy, 0.0%ni, 99.4%id, 0.2%wa, 0.0%hi, 0.2%si, 0.0%st
Mem: 8148056k total, 642296k used, 7505760k free, 107488k buffers
Swap: 19802108k total, 0k used, 19802108k free, 332936k cached

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

top - 17:58:04 up 1:35, 3 users, load average: 0.03, 0.21, 0.36
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.0%us, 0.2%sy, 0.0%ni, 99.1%id, 0.3%wa, 0.0%hi, 0.4%si, 0.0%st
Mem: 8148056k total, 642296k used, 7505760k free, 107488k buffers
Swap: 19802108k total, 0k used, 19802108k free, 332936k cached

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

top - 17:58:07 up 1:35, 3 users, load average: 0.03, 0.21, 0.36
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.0%us, 0.0%sy, 0.0%ni, 99.0%id, 0.5%wa, 0.0%hi, 0.5%si, 0.0%st
Mem: 8148056k total, 642280k used, 7505776k free, 107496k buffers
Swap: 19802108k total, 0k used, 19802108k free, 332936k cached

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

top - 17:58:10 up 1:35, 3 users, load average: 0.03, 0.20, 0.36
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.0%us, 0.0%sy, 0.0%ni, 99.6%id, 0.0%wa, 0.0%hi, 0.4%si, 0.0%st
Mem: 8148056k total, 642280k used, 7505776k free, 107496k buffers
Swap: 19802108k total, 0k used, 19802108k free, 332936k cached

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

top - 17:58:13 up 1:35, 3 users, load average: 0.03, 0.20, 0.36
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie

```
Cpu(s):  0.1%us,  0.1%sy,  0.0%ni, 98.8%id,  0.4%wa,  0.0%hi,  0.7%si,
0.0%st
Mem:   8148056k total,    642280k used,  7505776k free,    107504k buffers
Swap: 19802108k total,         0k used, 19802108k free,    332932k cached
```

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

```
top - 17:58:16 up  1:35,  3 users,  load average: 0.03, 0.20, 0.36
Tasks:  1 total,  0 running,  1 sleeping,  0 stopped,  0 zombie
Cpu(s):  0.0%us,  0.0%sy,  0.0%ni, 99.4%id,  0.0%wa,  0.0%hi,  0.6%si,
0.0%st
Mem:   8148056k total,    642296k used,  7505760k free,    107504k buffers
Swap: 19802108k total,         0k used, 19802108k free,    332940k cached
```

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

```
top - 17:58:19 up  1:36,  3 users,  load average: 0.02, 0.20, 0.36
Tasks:  1 total,  0 running,  1 sleeping,  0 stopped,  0 zombie
Cpu(s):  0.0%us,  0.0%sy,  0.0%ni, 99.2%id,  0.2%wa,  0.0%hi,  0.6%si,
0.0%st
Mem:   8148056k total,    642280k used,  7505776k free,    107512k buffers
Swap: 19802108k total,         0k used, 19802108k free,    332932k cached
```

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

```
top - 17:58:22 up  1:36,  3 users,  load average: 0.02, 0.20, 0.36
Tasks:  1 total,  0 running,  1 sleeping,  0 stopped,  0 zombie
Cpu(s):  0.0%us,  0.1%sy,  0.0%ni, 99.4%id,  0.0%wa,  0.0%hi,  0.5%si,
0.0%st
Mem:   8148056k total,    642280k used,  7505776k free,    107512k buffers
Swap: 19802108k total,         0k used, 19802108k free,    332940k cached
```

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

```
top - 17:58:25 up  1:36,  3 users,  load average: 0.02, 0.19, 0.36
Tasks:  1 total,  0 running,  1 sleeping,  0 stopped,  0 zombie
Cpu(s):  0.0%us,  0.0%sy,  0.0%ni, 99.1%id,  0.4%wa,  0.0%hi,  0.5%si,
0.0%st
Mem:   8148056k total,    642280k used,  7505776k free,    107520k buffers
Swap: 19802108k total,         0k used, 19802108k free,    332940k cached
```

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

```
top - 17:58:28 up  1:36,  3 users,  load average: 0.02, 0.19, 0.35
Tasks:  1 total,  0 running,  1 sleeping,  0 stopped,  0 zombie
Cpu(s):  0.0%us,  0.0%sy,  0.0%ni, 99.7%id,  0.0%wa,  0.0%hi,  0.3%si,
0.0%st
Mem:   8148056k total,    642280k used,  7505776k free,    107520k buffers
Swap: 19802108k total,         0k used, 19802108k free,    332940k cached
```

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

```
top - 17:58:31 up 1:36, 3 users, load average: 0.02, 0.19, 0.35
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.0%us, 0.1%sy, 0.0%ni, 99.1%id, 0.5%wa, 0.0%hi, 0.3%si,
0.0%st
Mem: 8148056k total, 642280k used, 7505776k free, 107528k buffers
Swap: 19802108k total, 0k used, 19802108k free, 332940k cached
```

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

```
top - 17:58:34 up 1:36, 3 users, load average: 0.02, 0.19, 0.35
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 1.7%us, 0.4%sy, 0.0%ni, 96.5%id, 0.0%wa, 0.0%hi, 1.4%si,
0.0%st
Mem: 8148056k total, 653356k used, 7494700k free, 107528k buffers
Swap: 19802108k total, 0k used, 19802108k free, 342204k cached
```

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

```
top - 17:58:37 up 1:36, 3 users, load average: 0.02, 0.19, 0.35
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 2.9%us, 0.5%sy, 0.0%ni, 93.2%id, 0.8%wa, 0.0%hi, 2.6%si,
0.0%st
Mem: 8148056k total, 644512k used, 7503544k free, 107536k buffers
Swap: 19802108k total, 0k used, 19802108k free, 335176k cached
```

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

```
top - 17:58:40 up 1:36, 3 users, load average: 0.02, 0.18, 0.35
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 2.5%us, 0.1%sy, 0.0%ni, 94.8%id, 0.2%wa, 0.0%hi, 2.4%si,
0.0%st
Mem: 8148056k total, 643520k used, 7504536k free, 107536k buffers
Swap: 19802108k total, 0k used, 19802108k free, 334456k cached
```

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

```
top - 17:58:43 up 1:36, 3 users, load average: 0.02, 0.18, 0.35
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 3.3%us, 0.2%sy, 0.0%ni, 94.8%id, 0.2%wa, 0.0%hi, 1.4%si,
0.0%st
Mem: 8148056k total, 642296k used, 7505760k free, 107544k buffers
Swap: 19802108k total, 0k used, 19802108k free, 333176k cached
```

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

```
top - 17:58:46 up 1:36, 3 users, load average: 0.02, 0.18, 0.35
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.3%us, 0.2%sy, 0.0%ni, 98.7%id, 0.0%wa, 0.0%hi, 0.8%si,
0.0%st
Mem: 8148056k total, 642296k used, 7505760k free, 107544k buffers
Swap: 19802108k total, 0k used, 19802108k free, 333056k cached
```

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

top - 17:58:49 up 1:36, 3 users, load average: 0.01, 0.18, 0.35
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.3%us, 0.2%sy, 0.0%ni, 98.0%id, 0.2%wa, 0.0%hi, 1.3%si, 0.0%st
Mem: 8148056k total, 643196k used, 7504860k free, 107552k buffers
Swap: 19802108k total, 0k used, 19802108k free, 334384k cached

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

top - 17:58:52 up 1:36, 3 users, load average: 0.01, 0.18, 0.35
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.4%us, 0.1%sy, 0.0%ni, 97.8%id, 0.0%wa, 0.0%hi, 1.6%si, 0.0%st
Mem: 8148056k total, 643668k used, 7504388k free, 107552k buffers
Swap: 19802108k total, 0k used, 19802108k free, 334528k cached

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

top - 17:58:55 up 1:36, 3 users, load average: 0.01, 0.18, 0.34
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.1%us, 0.2%sy, 0.0%ni, 98.3%id, 0.5%wa, 0.0%hi, 1.0%si, 0.0%st
Mem: 8148056k total, 642428k used, 7505628k free, 107560k buffers
Swap: 19802108k total, 0k used, 19802108k free, 333108k cached

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

top - 17:58:58 up 1:36, 3 users, load average: 0.01, 0.17, 0.34
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 6.0%us, 0.3%sy, 0.0%ni, 91.6%id, 0.0%wa, 0.0%hi, 2.2%si, 0.0%st
Mem: 8148056k total, 643792k used, 7504264k free, 107560k buffers
Swap: 19802108k total, 0k used, 19802108k free, 334520k cached

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

top - 17:59:01 up 1:36, 3 users, load average: 0.01, 0.17, 0.34
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 4.1%us, 0.2%sy, 0.0%ni, 93.0%id, 0.1%wa, 0.0%hi, 2.6%si, 0.0%st
Mem: 8148056k total, 643204k used, 7504852k free, 107568k buffers
Swap: 19802108k total, 0k used, 19802108k free, 333376k cached

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

top - 17:59:04 up 1:36, 3 users, load average: 0.01, 0.17, 0.34
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 6.6%us, 0.2%sy, 0.0%ni, 90.2%id, 0.3%wa, 0.0%hi, 2.8%si, 0.0%st

Mem: 8148056k total, 643188k used, 7504868k free, 107576k buffers
Swap: 19802108k total, 0k used, 19802108k free, 333340k cached

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

top - 17:59:07 up 1:36, 3 users, load average: 0.01, 0.17, 0.34
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 2.6%us, 0.2%sy, 0.0%ni, 95.4%id, 0.0%wa, 0.0%hi, 1.8%si, 0.0%st
Mem: 8148056k total, 643204k used, 7504852k free, 107576k buffers
Swap: 19802108k total, 0k used, 19802108k free, 333340k cached

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

top - 17:59:10 up 1:36, 3 users, load average: 0.01, 0.17, 0.34
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 1.1%us, 0.2%sy, 0.0%ni, 96.8%id, 0.3%wa, 0.0%hi, 1.5%si, 0.0%st
Mem: 8148056k total, 641840k used, 7506216k free, 107584k buffers
Swap: 19802108k total, 0k used, 19802108k free, 331944k cached

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

top - 17:59:13 up 1:36, 3 users, load average: 0.01, 0.16, 0.34
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 1.3%us, 0.1%sy, 0.0%ni, 97.4%id, 0.0%wa, 0.0%hi, 1.3%si, 0.0%st
Mem: 8148056k total, 642864k used, 7505192k free, 107584k buffers
Swap: 19802108k total, 0k used, 19802108k free, 333356k cached

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

top - 17:59:16 up 1:36, 3 users, load average: 0.01, 0.16, 0.34
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 3.4%us, 0.2%sy, 0.0%ni, 94.2%id, 0.2%wa, 0.0%hi, 2.1%si, 0.0%st
Mem: 8148056k total, 642588k used, 7505468k free, 107592k buffers
Swap: 19802108k total, 0k used, 19802108k free, 333348k cached

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

top - 17:59:19 up 1:37, 3 users, load average: 0.01, 0.16, 0.33
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 5.1%us, 0.4%sy, 0.0%ni, 91.9%id, 0.0%wa, 0.0%hi, 2.5%si, 0.0%st
Mem: 8148056k total, 642700k used, 7505356k free, 107592k buffers
Swap: 19802108k total, 0k used, 19802108k free, 333356k cached

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

top - 17:59:22 up 1:37, 3 users, load average: 0.01, 0.16, 0.33

```

Tasks:   1 total,    0 running,    1 sleeping,    0 stopped,    0 zombie
Cpu(s):  4.7%us,   0.3%sy,   0.0%ni, 92.3%id,   0.4%wa,   0.0%hi,   2.3%si,
0.0%st
Mem:   8148056k total,   642668k used,   7505388k free,   107600k buffers
Swap: 19802108k total,    0k used, 19802108k free,   333356k cached

```

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

```

top - 17:59:25 up 1:37, 3 users, load average: 0.01, 0.16, 0.33
Tasks:   1 total,    0 running,    1 sleeping,    0 stopped,    0 zombie
Cpu(s):  0.3%us,   0.1%sy,   0.0%ni, 98.1%id,   0.0%wa,   0.0%hi,   1.5%si,
0.0%st
Mem:   8148056k total,   641452k used,   7506604k free,   107600k buffers
Swap: 19802108k total,    0k used, 19802108k free,   331984k cached

```

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

```

top - 17:59:28 up 1:37, 3 users, load average: 0.01, 0.16, 0.33
Tasks:   1 total,    0 running,    1 sleeping,    0 stopped,    0 zombie
Cpu(s):  0.6%us,   0.2%sy,   0.0%ni, 97.1%id,   0.5%wa,   0.0%hi,   1.6%si,
0.0%st
Mem:   8148056k total,   642228k used,   7505828k free,   107608k buffers
Swap: 19802108k total,    0k used, 19802108k free,   333284k cached

```

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

```

top - 17:59:31 up 1:37, 3 users, load average: 0.01, 0.16, 0.33
Tasks:   1 total,    0 running,    1 sleeping,    0 stopped,    0 zombie
Cpu(s):  0.3%us,   0.3%sy,   0.0%ni, 97.4%id,   0.0%wa,   0.0%hi,   2.0%si,
0.0%st
Mem:   8148056k total,   641716k used,   7506340k free,   107608k buffers
Swap: 19802108k total,    0k used, 19802108k free,   332040k cached

```

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

```

top - 17:59:34 up 1:37, 3 users, load average: 0.01, 0.15, 0.33
Tasks:   1 total,    0 running,    1 sleeping,    0 stopped,    0 zombie
Cpu(s):  1.2%us,   0.1%sy,   0.0%ni, 96.5%id,   0.4%wa,   0.0%hi,   1.8%si,
0.0%st
Mem:   8148056k total,   642428k used,   7505628k free,   107616k buffers
Swap: 19802108k total,    0k used, 19802108k free,   333080k cached

```

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

```

top - 17:59:37 up 1:37, 4 users, load average: 0.01, 0.15, 0.33
Tasks:   1 total,    0 running,    1 sleeping,    0 stopped,    0 zombie
Cpu(s): 11.8%us,   0.7%sy,   0.0%ni, 83.9%id,   0.0%wa,   0.0%hi,   3.6%si,
0.0%st
Mem:   8148056k total,   646576k used,   7501480k free,   107616k buffers
Swap: 19802108k total,    0k used, 19802108k free,   334232k cached

```

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |


```

top - 17:59:40 up 1:37, 4 users, load average: 0.09, 0.17, 0.33
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 1.6%us, 0.2%sy, 0.0%ni, 96.6%id, 0.6%wa, 0.0%hi, 1.0%si, 0.0%st
Mem: 8148056k total, 644344k used, 7503712k free, 107624k buffers
Swap: 19802108k total, 0k used, 19802108k free, 332032k cached

```

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

```

top - 17:59:43 up 1:37, 4 users, load average: 0.08, 0.17, 0.33
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.6%us, 0.2%sy, 0.0%ni, 97.7%id, 0.0%wa, 0.0%hi, 1.4%si, 0.0%st
Mem: 8148056k total, 645808k used, 7502248k free, 107624k buffers
Swap: 19802108k total, 0k used, 19802108k free, 333460k cached

```

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

```

top - 17:59:46 up 1:37, 4 users, load average: 0.08, 0.17, 0.33
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.1%us, 0.1%sy, 0.0%ni, 98.9%id, 0.2%wa, 0.0%hi, 0.8%si, 0.0%st
Mem: 8148056k total, 644848k used, 7503208k free, 107632k buffers
Swap: 19802108k total, 0k used, 19802108k free, 332036k cached

```

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

```

top - 17:59:49 up 1:37, 4 users, load average: 0.07, 0.16, 0.33
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.0%us, 0.0%sy, 0.0%ni, 99.4%id, 0.0%wa, 0.0%hi, 0.6%si, 0.0%st
Mem: 8148056k total, 644840k used, 7503216k free, 107632k buffers
Swap: 19802108k total, 0k used, 19802108k free, 332044k cached

```

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

```

top - 17:59:52 up 1:37, 4 users, load average: 0.07, 0.16, 0.33
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.0%us, 0.1%sy, 0.0%ni, 98.9%id, 0.4%wa, 0.0%hi, 0.6%si, 0.0%st
Mem: 8148056k total, 644840k used, 7503216k free, 107640k buffers
Swap: 19802108k total, 0k used, 19802108k free, 332044k cached

```

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

```

top - 17:59:55 up 1:37, 4 users, load average: 0.07, 0.16, 0.33
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.0%us, 0.0%sy, 0.0%ni, 99.4%id, 0.0%wa, 0.0%hi, 0.6%si, 0.0%st
Mem: 8148056k total, 644840k used, 7503216k free, 107640k buffers
Swap: 19802108k total, 0k used, 19802108k free, 332044k cached

```

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

top - 17:59:58 up 1:37, 4 users, load average: 0.06, 0.16, 0.32
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.0%us, 0.0%sy, 0.0%ni, 98.9%id, 0.6%wa, 0.0%hi, 0.5%si, 0.0%st
Mem: 8148056k total, 644840k used, 7503216k free, 107648k buffers
Swap: 19802108k total, 0k used, 19802108k free, 332040k cached

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

top - 18:00:01 up 1:37, 4 users, load average: 0.06, 0.16, 0.32
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.2%us, 0.1%sy, 0.0%ni, 99.5%id, 0.0%wa, 0.0%hi, 0.2%si, 0.0%st
Mem: 8148056k total, 644776k used, 7503280k free, 107648k buffers
Swap: 19802108k total, 0k used, 19802108k free, 332068k cached

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

top - 18:00:04 up 1:37, 4 users, load average: 0.06, 0.15, 0.32
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.0%us, 0.0%sy, 0.0%ni, 99.0%id, 0.4%wa, 0.0%hi, 0.6%si, 0.0%st
Mem: 8148056k total, 644840k used, 7503216k free, 107656k buffers
Swap: 19802108k total, 0k used, 19802108k free, 332036k cached

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

top - 18:00:07 up 1:37, 4 users, load average: 0.06, 0.15, 0.32
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.0%us, 0.1%sy, 0.0%ni, 99.4%id, 0.0%wa, 0.0%hi, 0.6%si, 0.0%st
Mem: 8148056k total, 644840k used, 7503216k free, 107656k buffers
Swap: 19802108k total, 0k used, 19802108k free, 332044k cached

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

top - 18:00:10 up 1:37, 4 users, load average: 0.05, 0.15, 0.32
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.0%us, 0.1%sy, 0.0%ni, 99.0%id, 0.4%wa, 0.0%hi, 0.5%si, 0.0%st
Mem: 8148056k total, 644840k used, 7503216k free, 107664k buffers
Swap: 19802108k total, 0k used, 19802108k free, 332040k cached

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

top - 18:00:13 up 1:37, 4 users, load average: 0.05, 0.15, 0.32
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie

```
Cpu(s):  0.0%us,  0.1%sy,  0.0%ni, 99.4%id,  0.0%wa,  0.0%hi,  0.6%si,
0.0%st
Mem:   8148056k total,   644840k used,  7503216k free,   107664k buffers
Swap: 19802108k total,         0k used, 19802108k free,   332048k cached
```

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

```
top - 18:00:16 up  1:37,  4 users,  load average: 0.05, 0.15, 0.32
Tasks:  1 total,  0 running,  1 sleeping,  0 stopped,  0 zombie
Cpu(s):  0.1%us,  0.1%sy,  0.0%ni, 99.2%id,  0.3%wa,  0.0%hi,  0.3%si,
0.0%st
Mem:   8148056k total,   644840k used,  7503216k free,   107672k buffers
Swap: 19802108k total,         0k used, 19802108k free,   332040k cached
```

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

```
top - 18:00:19 up  1:38,  4 users,  load average: 0.04, 0.15, 0.32
Tasks:  1 total,  0 running,  1 sleeping,  0 stopped,  0 zombie
Cpu(s):  0.0%us,  0.0%sy,  0.0%ni, 99.2%id,  0.0%wa,  0.0%hi,  0.8%si,
0.0%st
Mem:   8148056k total,   644856k used,  7503200k free,   107672k buffers
Swap: 19802108k total,         0k used, 19802108k free,   332048k cached
```

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

```
top - 18:00:22 up  1:38,  4 users,  load average: 0.04, 0.15, 0.32
Tasks:  1 total,  0 running,  1 sleeping,  0 stopped,  0 zombie
Cpu(s):  0.0%us,  0.0%sy,  0.0%ni, 99.1%id,  0.4%wa,  0.0%hi,  0.4%si,
0.0%st
Mem:   8148056k total,   644840k used,  7503216k free,   107680k buffers
Swap: 19802108k total,         0k used, 19802108k free,   332040k cached
```

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

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```
top - 18:06:35 up 1:44, 4 users, load average: 0.00, 0.04, 0.21
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.3%us, 0.1%sy, 0.1%ni, 93.5%id, 0.4%wa, 0.0%hi, 5.7%si, 0.0%st
Mem: 8148056k total, 646056k used, 7502000k free, 107744k buffers
Swap: 19802108k total, 0k used, 19802108k free, 333824k cached
```

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

```
top - 18:06:38 up 1:44, 4 users, load average: 0.00, 0.04, 0.21
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.0%us, 0.1%sy, 0.0%ni, 99.2%id, 0.0%wa, 0.0%hi, 0.7%si, 0.0%st
Mem: 8148056k total, 644576k used, 7503480k free, 107744k buffers
Swap: 19802108k total, 0k used, 19802108k free, 332128k cached
```

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

```
top - 18:06:41 up 1:44, 4 users, load average: 0.00, 0.04, 0.21
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.0%us, 0.0%sy, 0.0%ni, 99.3%id, 0.3%wa, 0.0%hi, 0.4%si, 0.0%st
Mem: 8148056k total, 644576k used, 7503480k free, 107756k buffers
Swap: 19802108k total, 0k used, 19802108k free, 331996k cached
```

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

```
top - 18:06:44 up 1:44, 4 users, load average: 0.00, 0.04, 0.21
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.0%us, 0.0%sy, 0.0%ni, 99.3%id, 0.0%wa, 0.0%hi, 0.7%si, 0.0%st
Mem: 8148056k total, 644576k used, 7503480k free, 107756k buffers
Swap: 19802108k total, 0k used, 19802108k free, 332000k cached
```

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

```
top - 18:06:47 up 1:44, 4 users, load average: 0.00, 0.04, 0.21
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.0%us, 0.1%sy, 0.0%ni, 99.3%id, 0.2%wa, 0.0%hi, 0.4%si, 0.0%st
Mem: 8148056k total, 644576k used, 7503480k free, 107764k buffers
Swap: 19802108k total, 0k used, 19802108k free, 332000k cached
```

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

```
top - 18:06:50 up 1:44, 4 users, load average: 0.00, 0.04, 0.21
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.0%us, 0.0%sy, 0.0%ni, 99.7%id, 0.0%wa, 0.0%hi, 0.3%si, 0.0%st
Mem: 8148056k total, 644576k used, 7503480k free, 107764k buffers
```

Swap: 19802108k total, 0k used, 19802108k free, 332000k cached

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

top - 18:06:53 up 1:44, 4 users, load average: 0.00, 0.04, 0.21
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.0%us, 0.0%sy, 0.0%ni, 99.5%id, 0.2%wa, 0.0%hi, 0.2%si, 0.0%st
Mem: 8148056k total, 644576k used, 7503480k free, 107772k buffers
Swap: 19802108k total, 0k used, 19802108k free, 332000k cached

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

top - 18:06:56 up 1:44, 4 users, load average: 0.00, 0.04, 0.21
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.0%us, 0.1%sy, 0.0%ni, 99.2%id, 0.0%wa, 0.0%hi, 0.7%si, 0.0%st
Mem: 8148056k total, 644576k used, 7503480k free, 107772k buffers
Swap: 19802108k total, 0k used, 19802108k free, 332000k cached

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

top - 18:06:59 up 1:44, 4 users, load average: 0.00, 0.04, 0.21
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.0%us, 0.0%sy, 0.0%ni, 99.3%id, 0.2%wa, 0.0%hi, 0.5%si, 0.0%st
Mem: 8148056k total, 644576k used, 7503480k free, 107780k buffers
Swap: 19802108k total, 0k used, 19802108k free, 332004k cached

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

top - 18:07:02 up 1:44, 4 users, load average: 0.00, 0.04, 0.21
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.0%us, 0.0%sy, 0.0%ni, 99.3%id, 0.0%wa, 0.0%hi, 0.7%si, 0.0%st
Mem: 8148056k total, 644576k used, 7503480k free, 107780k buffers
Swap: 19802108k total, 0k used, 19802108k free, 332028k cached

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

top - 18:07:05 up 1:44, 4 users, load average: 0.00, 0.04, 0.21
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.0%us, 0.1%sy, 0.0%ni, 99.3%id, 0.2%wa, 0.0%hi, 0.5%si, 0.0%st
Mem: 8148056k total, 644700k used, 7503356k free, 107788k buffers
Swap: 19802108k total, 0k used, 19802108k free, 332004k cached

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

top - 18:07:08 up 1:44, 4 users, load average: 0.00, 0.04, 0.21
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie

```
Cpu(s):  0.0%us,  0.0%sy,  0.0%ni, 99.8%id,  0.0%wa,  0.0%hi,  0.2%si,
0.0%st
Mem:   8148056k total,   644700k used,  7503356k free,   107788k buffers
Swap: 19802108k total,         0k used, 19802108k free,   332004k cached
```

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

```
top - 18:07:11 up  1:44,  4 users,  load average: 0.00, 0.04, 0.21
Tasks:  1 total,  0 running,  1 sleeping,  0 stopped,  0 zombie
Cpu(s):  0.1%us,  0.0%sy,  0.0%ni, 99.2%id,  0.2%wa,  0.0%hi,  0.5%si,
0.0%st
Mem:   8148056k total,   644700k used,  7503356k free,   107796k buffers
Swap: 19802108k total,         0k used, 19802108k free,   332004k cached
```

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

```
top - 18:07:14 up  1:44,  4 users,  load average: 0.00, 0.04, 0.21
Tasks:  1 total,  0 running,  1 sleeping,  0 stopped,  0 zombie
Cpu(s):  0.0%us,  0.1%sy,  0.0%ni, 99.6%id,  0.0%wa,  0.0%hi,  0.3%si,
0.0%st
Mem:   8148056k total,   644700k used,  7503356k free,   107796k buffers
Swap: 19802108k total,         0k used, 19802108k free,   332004k cached
```

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

```
top - 18:07:17 up  1:44,  4 users,  load average: 0.00, 0.04, 0.21
Tasks:  1 total,  0 running,  1 sleeping,  0 stopped,  0 zombie
Cpu(s):  0.0%us,  0.1%sy,  0.0%ni, 99.3%id,  0.3%wa,  0.0%hi,  0.3%si,
0.0%st
Mem:   8148056k total,   644700k used,  7503356k free,   107804k buffers
Swap: 19802108k total,         0k used, 19802108k free,   332004k cached
```

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

```
top - 18:07:20 up  1:45,  4 users,  load average: 0.00, 0.04, 0.20
Tasks:  1 total,  0 running,  1 sleeping,  0 stopped,  0 zombie
Cpu(s):  0.0%us,  0.0%sy,  0.0%ni, 99.3%id,  0.0%wa,  0.0%hi,  0.7%si,
0.0%st
Mem:   8148056k total,   644700k used,  7503356k free,   107804k buffers
Swap: 19802108k total,         0k used, 19802108k free,   332004k cached
```

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

```
top - 18:07:23 up  1:45,  4 users,  load average: 0.00, 0.04, 0.20
Tasks:  1 total,  0 running,  1 sleeping,  0 stopped,  0 zombie
Cpu(s):  0.0%us,  0.1%sy,  0.0%ni, 99.0%id,  0.5%wa,  0.0%hi,  0.4%si,
0.0%st
Mem:   8148056k total,   644700k used,  7503356k free,   107812k buffers
Swap: 19802108k total,         0k used, 19802108k free,   332008k cached
```

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

```
top - 18:07:26 up 1:45, 4 users, load average: 0.00, 0.04, 0.20
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.0%us, 0.1%sy, 0.0%ni, 99.5%id, 0.0%wa, 0.0%hi, 0.4%si,
0.0%st
Mem: 8148056k total, 644700k used, 7503356k free, 107812k buffers
Swap: 19802108k total, 0k used, 19802108k free, 332008k cached
```

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

```
top - 18:07:29 up 1:45, 4 users, load average: 0.00, 0.04, 0.20
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.0%us, 0.0%sy, 0.0%ni, 99.5%id, 0.2%wa, 0.0%hi, 0.3%si,
0.0%st
Mem: 8148056k total, 644700k used, 7503356k free, 107820k buffers
Swap: 19802108k total, 0k used, 19802108k free, 332008k cached
```

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

```
top - 18:07:32 up 1:45, 4 users, load average: 0.00, 0.04, 0.20
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.0%us, 0.0%sy, 0.0%ni, 99.5%id, 0.0%wa, 0.0%hi, 0.5%si,
0.0%st
Mem: 8148056k total, 644700k used, 7503356k free, 107820k buffers
Swap: 19802108k total, 0k used, 19802108k free, 332008k cached
```

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

```
top - 18:07:35 up 1:45, 4 users, load average: 0.00, 0.04, 0.20
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.0%us, 0.1%sy, 0.0%ni, 99.2%id, 0.2%wa, 0.0%hi, 0.6%si,
0.0%st
Mem: 8148056k total, 644700k used, 7503356k free, 107828k buffers
Swap: 19802108k total, 0k used, 19802108k free, 332008k cached
```

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

```
top - 18:07:38 up 1:45, 4 users, load average: 0.00, 0.04, 0.20
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.1%us, 0.0%sy, 0.0%ni, 99.7%id, 0.0%wa, 0.0%hi, 0.3%si,
0.0%st
Mem: 8148056k total, 644700k used, 7503356k free, 107828k buffers
Swap: 19802108k total, 0k used, 19802108k free, 332008k cached
```

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

```
top - 18:07:41 up 1:45, 4 users, load average: 0.00, 0.04, 0.20
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.0%us, 0.0%sy, 0.0%ni, 99.4%id, 0.2%wa, 0.0%hi, 0.3%si,
0.0%st
Mem: 8148056k total, 644700k used, 7503356k free, 107836k buffers
Swap: 19802108k total, 0k used, 19802108k free, 332008k cached
```

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

top - 18:07:44 up 1:45, 4 users, load average: 0.00, 0.04, 0.20
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.0%us, 0.0%sy, 0.0%ni, 99.7%id, 0.0%wa, 0.0%hi, 0.3%si, 0.0%st
Mem: 8148056k total, 644700k used, 7503356k free, 107836k buffers
Swap: 19802108k total, 0k used, 19802108k free, 332008k cached

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

top - 18:07:47 up 1:45, 4 users, load average: 0.00, 0.04, 0.20
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.0%us, 0.0%sy, 0.0%ni, 98.9%id, 0.4%wa, 0.0%hi, 0.7%si, 0.0%st
Mem: 8148056k total, 644824k used, 7503232k free, 107844k buffers
Swap: 19802108k total, 0k used, 19802108k free, 332012k cached

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

top - 18:07:50 up 1:45, 4 users, load average: 0.00, 0.03, 0.20
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.0%us, 0.0%sy, 0.0%ni, 99.6%id, 0.0%wa, 0.0%hi, 0.4%si, 0.0%st
Mem: 8148056k total, 644824k used, 7503232k free, 107844k buffers
Swap: 19802108k total, 0k used, 19802108k free, 332012k cached

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

top - 18:07:53 up 1:45, 4 users, load average: 0.00, 0.03, 0.20
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.1%us, 0.1%sy, 0.0%ni, 99.3%id, 0.2%wa, 0.0%hi, 0.4%si, 0.0%st
Mem: 8148056k total, 644824k used, 7503232k free, 107852k buffers
Swap: 19802108k total, 0k used, 19802108k free, 332012k cached

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

top - 18:07:56 up 1:45, 4 users, load average: 0.00, 0.03, 0.20
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.0%us, 0.0%sy, 0.0%ni, 99.7%id, 0.0%wa, 0.0%hi, 0.3%si, 0.0%st
Mem: 8148056k total, 644824k used, 7503232k free, 107852k buffers
Swap: 19802108k total, 0k used, 19802108k free, 332012k cached

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

top - 18:07:59 up 1:45, 4 users, load average: 0.00, 0.03, 0.20
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.0%us, 0.1%sy, 0.0%ni, 99.3%id, 0.2%wa, 0.0%hi, 0.3%si, 0.0%st

Mem: 8148056k total, 644824k used, 7503232k free, 107860k buffers
Swap: 19802108k total, 0k used, 19802108k free, 332012k cached

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

top - 18:08:02 up 1:45, 4 users, load average: 0.00, 0.03, 0.20
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.0%us, 0.0%sy, 0.0%ni, 99.2%id, 0.0%wa, 0.0%hi, 0.8%si, 0.0%st
Mem: 8148056k total, 644824k used, 7503232k free, 107860k buffers
Swap: 19802108k total, 0k used, 19802108k free, 332036k cached

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

top - 18:08:05 up 1:45, 4 users, load average: 0.00, 0.03, 0.20
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.0%us, 0.0%sy, 0.0%ni, 98.6%id, 0.2%wa, 0.0%hi, 1.2%si, 0.0%st
Mem: 8148056k total, 644824k used, 7503232k free, 107868k buffers
Swap: 19802108k total, 0k used, 19802108k free, 332012k cached

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

top - 18:08:08 up 1:45, 4 users, load average: 0.00, 0.03, 0.20
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.0%us, 0.0%sy, 0.0%ni, 99.4%id, 0.0%wa, 0.0%hi, 0.6%si, 0.0%st
Mem: 8148056k total, 644824k used, 7503232k free, 107868k buffers
Swap: 19802108k total, 0k used, 19802108k free, 332012k cached

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

top - 18:08:11 up 1:45, 4 users, load average: 0.00, 0.03, 0.19
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.0%us, 0.1%sy, 0.0%ni, 98.8%id, 0.3%wa, 0.0%hi, 0.8%si, 0.0%st
Mem: 8148056k total, 644824k used, 7503232k free, 107876k buffers
Swap: 19802108k total, 0k used, 19802108k free, 332016k cached

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

top - 18:08:14 up 1:45, 4 users, load average: 0.00, 0.03, 0.19
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.0%us, 0.0%sy, 0.0%ni, 99.2%id, 0.0%wa, 0.0%hi, 0.8%si, 0.0%st
Mem: 8148056k total, 644824k used, 7503232k free, 107876k buffers
Swap: 19802108k total, 0k used, 19802108k free, 332016k cached

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

top - 18:08:17 up 1:45, 4 users, load average: 0.00, 0.03, 0.19

```

Tasks:   1 total,    0 running,    1 sleeping,    0 stopped,    0 zombie
Cpu(s):  0.1%us,   0.0%sy,   0.0%ni, 99.0%id,   0.4%wa,   0.0%hi,   0.5%si,
0.0%st
Mem:    8148056k total,    644824k used,    7503232k free,    107884k buffers
Swap: 19802108k total,         0k used, 19802108k free,    332016k cached

```

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

```

top - 18:08:20 up 1:46, 4 users, load average: 0.00, 0.03, 0.19
Tasks:   1 total,    0 running,    1 sleeping,    0 stopped,    0 zombie
Cpu(s):  0.0%us,   0.0%sy,   0.0%ni, 99.6%id,   0.0%wa,   0.0%hi,   0.4%si,
0.0%st
Mem:    8148056k total,    644824k used,    7503232k free,    107884k buffers
Swap: 19802108k total,         0k used, 19802108k free,    332016k cached

```

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

```

top - 18:08:23 up 1:46, 4 users, load average: 0.00, 0.03, 0.19
Tasks:   1 total,    0 running,    1 sleeping,    0 stopped,    0 zombie
Cpu(s):  0.0%us,   0.0%sy,   0.0%ni, 99.3%id,   0.3%wa,   0.0%hi,   0.4%si,
0.0%st
Mem:    8148056k total,    644824k used,    7503232k free,    107892k buffers
Swap: 19802108k total,         0k used, 19802108k free,    332016k cached

```

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

```

top - 18:08:26 up 1:46, 4 users, load average: 0.00, 0.03, 0.19
Tasks:   1 total,    0 running,    1 sleeping,    0 stopped,    0 zombie
Cpu(s):  0.0%us,   0.0%sy,   0.0%ni, 99.5%id,   0.0%wa,   0.0%hi,   0.5%si,
0.0%st
Mem:    8148056k total,    644824k used,    7503232k free,    107892k buffers
Swap: 19802108k total,         0k used, 19802108k free,    332016k cached

```

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

```

top - 18:08:29 up 1:46, 4 users, load average: 0.00, 0.03, 0.19
Tasks:   1 total,    0 running,    1 sleeping,    0 stopped,    0 zombie
Cpu(s):  0.0%us,   0.0%sy,   0.0%ni, 99.3%id,   0.3%wa,   0.0%hi,   0.4%si,
0.0%st
Mem:    8148056k total,    644824k used,    7503232k free,    107900k buffers
Swap: 19802108k total,         0k used, 19802108k free,    332016k cached

```

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

```

top - 18:08:32 up 1:46, 4 users, load average: 0.00, 0.03, 0.19
Tasks:   1 total,    0 running,    1 sleeping,    0 stopped,    0 zombie
Cpu(s):  0.0%us,   0.0%sy,   0.0%ni, 99.6%id,   0.0%wa,   0.0%hi,   0.4%si,
0.0%st
Mem:    8148056k total,    644824k used,    7503232k free,    107900k buffers
Swap: 19802108k total,         0k used, 19802108k free,    332016k cached

```

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

```

top - 18:08:35 up 1:46, 4 users, load average: 0.00, 0.03, 0.19
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.0%us, 0.0%sy, 0.0%ni, 99.3%id, 0.4%wa, 0.0%hi, 0.3%si, 0.0%st
Mem: 8148056k total, 644824k used, 7503232k free, 107908k buffers
Swap: 19802108k total, 0k used, 19802108k free, 332020k cached

```

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

```

top - 18:08:38 up 1:46, 4 users, load average: 0.00, 0.03, 0.19
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.0%us, 0.1%sy, 0.0%ni, 99.6%id, 0.0%wa, 0.0%hi, 0.3%si, 0.0%st
Mem: 8148056k total, 644824k used, 7503232k free, 107908k buffers
Swap: 19802108k total, 0k used, 19802108k free, 332020k cached

```

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

```

top - 18:08:41 up 1:46, 4 users, load average: 0.00, 0.03, 0.19
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.0%us, 0.0%sy, 0.0%ni, 99.4%id, 0.2%wa, 0.0%hi, 0.4%si, 0.0%st
Mem: 8148056k total, 644824k used, 7503232k free, 107916k buffers
Swap: 19802108k total, 0k used, 19802108k free, 332020k cached

```

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

```

top - 18:08:44 up 1:46, 4 users, load average: 0.00, 0.03, 0.19
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.0%us, 0.0%sy, 0.0%ni, 99.5%id, 0.0%wa, 0.0%hi, 0.5%si, 0.0%st
Mem: 8148056k total, 644824k used, 7503232k free, 107916k buffers
Swap: 19802108k total, 0k used, 19802108k free, 332020k cached

```

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

```

top - 18:08:47 up 1:46, 4 users, load average: 0.00, 0.03, 0.19
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.0%us, 0.0%sy, 0.0%ni, 99.3%id, 0.4%wa, 0.0%hi, 0.3%si, 0.0%st
Mem: 8148056k total, 644824k used, 7503232k free, 107924k buffers
Swap: 19802108k total, 0k used, 19802108k free, 332020k cached

```

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

```

top - 18:08:50 up 1:46, 4 users, load average: 0.00, 0.03, 0.19
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.0%us, 0.1%sy, 0.0%ni, 99.6%id, 0.0%wa, 0.0%hi, 0.3%si, 0.0%st
Mem: 8148056k total, 644824k used, 7503232k free, 107924k buffers
Swap: 19802108k total, 0k used, 19802108k free, 332020k cached

```

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

top - 18:08:53 up 1:46, 4 users, load average: 0.00, 0.03, 0.19
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.0%us, 0.1%sy, 0.0%ni, 98.9%id, 0.3%wa, 0.0%hi, 0.7%si, 0.0%st
Mem: 8148056k total, 644824k used, 7503232k free, 107932k buffers
Swap: 19802108k total, 0k used, 19802108k free, 332020k cached

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

top - 18:08:56 up 1:46, 4 users, load average: 0.00, 0.03, 0.19
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.0%us, 0.0%sy, 0.0%ni, 99.6%id, 0.0%wa, 0.0%hi, 0.4%si, 0.0%st
Mem: 8148056k total, 644824k used, 7503232k free, 107932k buffers
Swap: 19802108k total, 0k used, 19802108k free, 332024k cached

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

top - 18:08:59 up 1:46, 4 users, load average: 0.00, 0.03, 0.18
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.1%us, 0.0%sy, 0.0%ni, 98.8%id, 0.4%wa, 0.0%hi, 0.7%si, 0.0%st
Mem: 8148056k total, 644824k used, 7503232k free, 107940k buffers
Swap: 19802108k total, 0k used, 19802108k free, 332024k cached

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

top - 18:09:02 up 1:46, 4 users, load average: 0.00, 0.03, 0.18
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.1%us, 0.1%sy, 0.0%ni, 99.1%id, 0.0%wa, 0.0%hi, 0.7%si, 0.0%st
Mem: 8148056k total, 644824k used, 7503232k free, 107940k buffers
Swap: 19802108k total, 0k used, 19802108k free, 332048k cached

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

top - 18:09:05 up 1:46, 4 users, load average: 0.00, 0.03, 0.18
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.0%us, 0.1%sy, 0.0%ni, 99.2%id, 0.2%wa, 0.0%hi, 0.5%si, 0.0%st
Mem: 8148056k total, 644824k used, 7503232k free, 107948k buffers
Swap: 19802108k total, 0k used, 19802108k free, 332024k cached

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

top - 18:09:08 up 1:46, 4 users, load average: 0.00, 0.03, 0.18
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie

```
Cpu(s):  0.0%us,  0.0%sy,  0.0%ni, 99.9%id,  0.0%wa,  0.0%hi,  0.1%si,
0.0%st
Mem:   8148056k total,    644824k used,   7503232k free,    107948k buffers
Swap: 19802108k total,         0k used, 19802108k free,    332024k cached
```

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

```
top - 18:09:11 up  1:46,  4 users,  load average: 0.00, 0.03, 0.18
Tasks:  1 total,  0 running,  1 sleeping,  0 stopped,  0 zombie
Cpu(s):  0.0%us,  0.0%sy,  0.0%ni, 99.5%id,  0.2%wa,  0.0%hi,  0.3%si,
0.0%st
Mem:   8148056k total,    644824k used,   7503232k free,    107956k buffers
Swap: 19802108k total,         0k used, 19802108k free,    332024k cached
```

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

```
top - 18:09:14 up  1:46,  4 users,  load average: 0.00, 0.03, 0.18
Tasks:  1 total,  0 running,  1 sleeping,  0 stopped,  0 zombie
Cpu(s):  0.0%us,  0.0%sy,  0.0%ni, 99.7%id,  0.0%wa,  0.0%hi,  0.3%si,
0.0%st
Mem:   8148056k total,    644824k used,   7503232k free,    107956k buffers
Swap: 19802108k total,         0k used, 19802108k free,    332024k cached
```

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

```
top - 18:09:17 up  1:46,  4 users,  load average: 0.00, 0.03, 0.18
Tasks:  1 total,  0 running,  1 sleeping,  0 stopped,  0 zombie
Cpu(s):  0.0%us,  0.1%sy,  0.0%ni, 99.2%id,  0.3%wa,  0.0%hi,  0.4%si,
0.0%st
Mem:   8148056k total,    644948k used,   7503108k free,    107964k buffers
Swap: 19802108k total,         0k used, 19802108k free,    332024k cached
```

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

```
top - 18:09:20 up  1:47,  4 users,  load average: 0.00, 0.03, 0.18
Tasks:  1 total,  0 running,  1 sleeping,  0 stopped,  0 zombie
Cpu(s):  0.0%us,  0.1%sy,  0.0%ni, 99.7%id,  0.0%wa,  0.0%hi,  0.3%si,
0.0%st
Mem:   8148056k total,    644948k used,   7503108k free,    107964k buffers
Swap: 19802108k total,         0k used, 19802108k free,    332028k cached
```

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

```
top - 18:09:23 up  1:47,  4 users,  load average: 0.00, 0.03, 0.18
Tasks:  1 total,  0 running,  1 sleeping,  0 stopped,  0 zombie
Cpu(s):  0.0%us,  0.0%sy,  0.0%ni, 98.6%id,  0.4%wa,  0.0%hi,  1.0%si,
0.0%st
Mem:   8148056k total,    644948k used,   7503108k free,    107972k buffers
Swap: 19802108k total,         0k used, 19802108k free,    332028k cached
```

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

```

top - 18:09:26 up 1:47, 4 users, load average: 0.00, 0.03, 0.18
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.0%us, 0.1%sy, 0.0%ni, 99.4%id, 0.0%wa, 0.0%hi, 0.5%si,
0.0%st
Mem: 8148056k total, 644948k used, 7503108k free, 107972k buffers
Swap: 19802108k total, 0k used, 19802108k free, 332028k cached

```

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

```

top - 18:09:29 up 1:47, 4 users, load average: 0.00, 0.02, 0.18
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.0%us, 0.0%sy, 0.0%ni, 99.5%id, 0.2%wa, 0.0%hi, 0.2%si,
0.0%st
Mem: 8148056k total, 644948k used, 7503108k free, 107980k buffers
Swap: 19802108k total, 0k used, 19802108k free, 332028k cached

```

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

```

top - 18:09:32 up 1:47, 4 users, load average: 0.00, 0.02, 0.18
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.0%us, 0.0%sy, 0.0%ni, 99.2%id, 0.0%wa, 0.0%hi, 0.8%si,
0.0%st
Mem: 8148056k total, 644948k used, 7503108k free, 107980k buffers
Swap: 19802108k total, 0k used, 19802108k free, 332028k cached

```

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

```

top - 18:09:35 up 1:47, 4 users, load average: 0.00, 0.02, 0.18
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.0%us, 0.0%sy, 0.0%ni, 99.6%id, 0.2%wa, 0.0%hi, 0.2%si,
0.0%st
Mem: 8148056k total, 644948k used, 7503108k free, 107988k buffers
Swap: 19802108k total, 0k used, 19802108k free, 332028k cached

```

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

```

top - 18:09:38 up 1:47, 4 users, load average: 0.00, 0.02, 0.18
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.1%us, 0.0%sy, 0.0%ni, 99.7%id, 0.0%wa, 0.0%hi, 0.2%si,
0.0%st
Mem: 8148056k total, 644948k used, 7503108k free, 107988k buffers
Swap: 19802108k total, 0k used, 19802108k free, 332028k cached

```

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

```

top - 18:09:41 up 1:47, 4 users, load average: 0.00, 0.02, 0.18
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.0%us, 0.1%sy, 0.0%ni, 99.4%id, 0.2%wa, 0.0%hi, 0.2%si,
0.0%st
Mem: 8148056k total, 644948k used, 7503108k free, 107996k buffers
Swap: 19802108k total, 0k used, 19802108k free, 332028k cached

```

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

top - 18:09:44 up 1:47, 4 users, load average: 0.00, 0.02, 0.18
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.0%us, 0.0%sy, 0.0%ni, 99.8%id, 0.0%wa, 0.0%hi, 0.2%si, 0.0%st
Mem: 8148056k total, 644948k used, 7503108k free, 107996k buffers
Swap: 19802108k total, 0k used, 19802108k free, 332032k cached

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

top - 18:09:47 up 1:47, 4 users, load average: 0.00, 0.02, 0.18
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.0%us, 0.0%sy, 0.0%ni, 99.2%id, 0.6%wa, 0.0%hi, 0.2%si, 0.0%st
Mem: 8148056k total, 644948k used, 7503108k free, 108004k buffers
Swap: 19802108k total, 0k used, 19802108k free, 332032k cached

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

top - 18:09:50 up 1:47, 4 users, load average: 0.00, 0.02, 0.18
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.0%us, 0.1%sy, 0.0%ni, 99.7%id, 0.0%wa, 0.0%hi, 0.3%si, 0.0%st
Mem: 8148056k total, 644948k used, 7503108k free, 108004k buffers
Swap: 19802108k total, 0k used, 19802108k free, 332032k cached

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

top - 18:09:53 up 1:47, 4 users, load average: 0.00, 0.02, 0.18
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.0%us, 0.0%sy, 0.0%ni, 99.1%id, 0.2%wa, 0.0%hi, 0.7%si, 0.0%st
Mem: 8148056k total, 644948k used, 7503108k free, 108012k buffers
Swap: 19802108k total, 0k used, 19802108k free, 332032k cached

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

top - 18:09:56 up 1:47, 4 users, load average: 0.00, 0.02, 0.17
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.1%us, 0.0%sy, 0.0%ni, 99.7%id, 0.0%wa, 0.0%hi, 0.2%si, 0.0%st
Mem: 8148056k total, 644948k used, 7503108k free, 108012k buffers
Swap: 19802108k total, 0k used, 19802108k free, 332032k cached

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

top - 18:09:59 up 1:47, 4 users, load average: 0.00, 0.02, 0.17
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.0%us, 0.1%sy, 0.0%ni, 99.6%id, 0.2%wa, 0.0%hi, 0.2%si, 0.0%st

Mem: 8148056k total, 644948k used, 7503108k free, 108020k buffers
Swap: 19802108k total, 0k used, 19802108k free, 332032k cached

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

top - 18:10:02 up 1:47, 4 users, load average: 0.00, 0.02, 0.17
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.0%us, 0.1%sy, 0.0%ni, 98.9%id, 0.0%wa, 0.0%hi, 1.1%si, 0.0%st
Mem: 8148056k total, 644948k used, 7503108k free, 108020k buffers
Swap: 19802108k total, 0k used, 19802108k free, 332056k cached

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

top - 18:10:05 up 1:47, 4 users, load average: 0.00, 0.02, 0.17
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.0%us, 0.0%sy, 0.0%ni, 99.3%id, 0.2%wa, 0.0%hi, 0.4%si, 0.0%st
Mem: 8148056k total, 644824k used, 7503232k free, 108028k buffers
Swap: 19802108k total, 0k used, 19802108k free, 332032k cached

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

top - 18:10:08 up 1:47, 4 users, load average: 0.00, 0.02, 0.17
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.0%us, 0.0%sy, 0.0%ni, 99.6%id, 0.0%wa, 0.0%hi, 0.4%si, 0.0%st
Mem: 8148056k total, 644824k used, 7503232k free, 108028k buffers
Swap: 19802108k total, 0k used, 19802108k free, 332036k cached

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

top - 18:10:11 up 1:47, 4 users, load average: 0.00, 0.02, 0.17
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.0%us, 0.0%sy, 0.0%ni, 99.5%id, 0.2%wa, 0.0%hi, 0.3%si, 0.0%st
Mem: 8148056k total, 644824k used, 7503232k free, 108036k buffers
Swap: 19802108k total, 0k used, 19802108k free, 332036k cached

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

top - 18:10:14 up 1:47, 4 users, load average: 0.00, 0.02, 0.17
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.0%us, 0.1%sy, 0.0%ni, 99.5%id, 0.0%wa, 0.0%hi, 0.4%si, 0.0%st
Mem: 8148056k total, 644824k used, 7503232k free, 108036k buffers
Swap: 19802108k total, 0k used, 19802108k free, 332036k cached

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

top - 18:10:17 up 1:47, 4 users, load average: 0.00, 0.02, 0.17


```

Tasks:   1 total,    0 running,    1 sleeping,    0 stopped,    0 zombie
Cpu(s):  0.0%us,   0.0%sy,   0.0%ni, 99.3%id,   0.4%wa,   0.0%hi,   0.3%si,
0.0%st
Mem:    8148056k total,    644824k used,    7503232k free,    108044k buffers
Swap: 19802108k total,         0k used, 19802108k free,    332036k cached

```

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

```

top - 18:10:20 up 1:48, 4 users, load average: 0.00, 0.02, 0.17
Tasks:   1 total,    0 running,    1 sleeping,    0 stopped,    0 zombie
Cpu(s):  0.0%us,   0.0%sy,   0.0%ni, 99.6%id,   0.0%wa,   0.0%hi,   0.4%si,
0.0%st
Mem:    8148056k total,    644824k used,    7503232k free,    108044k buffers
Swap: 19802108k total,         0k used, 19802108k free,    332036k cached

```

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

```

top - 18:10:23 up 1:48, 4 users, load average: 0.00, 0.02, 0.17
Tasks:   1 total,    0 running,    1 sleeping,    0 stopped,    0 zombie
Cpu(s):  0.0%us,   0.1%sy,   0.0%ni, 99.3%id,   0.4%wa,   0.0%hi,   0.2%si,
0.0%st
Mem:    8148056k total,    644824k used,    7503232k free,    108052k buffers
Swap: 19802108k total,         0k used, 19802108k free,    332036k cached

```

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

```

top - 18:10:26 up 1:48, 4 users, load average: 0.00, 0.02, 0.17
Tasks:   1 total,    0 running,    1 sleeping,    0 stopped,    0 zombie
Cpu(s):  0.0%us,   0.0%sy,   0.0%ni, 99.6%id,   0.0%wa,   0.0%hi,   0.4%si,
0.0%st
Mem:    8148056k total,    644824k used,    7503232k free,    108052k buffers
Swap: 19802108k total,         0k used, 19802108k free,    332036k cached

```

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

```

top - 18:10:29 up 1:48, 4 users, load average: 0.00, 0.02, 0.17
Tasks:   1 total,    0 running,    1 sleeping,    0 stopped,    0 zombie
Cpu(s):  0.0%us,   0.1%sy,   0.0%ni, 99.2%id,   0.3%wa,   0.0%hi,   0.4%si,
0.0%st
Mem:    8148056k total,    644824k used,    7503232k free,    108060k buffers
Swap: 19802108k total,         0k used, 19802108k free,    332036k cached

```

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

```

top - 18:10:32 up 1:48, 4 users, load average: 0.00, 0.02, 0.17
Tasks:   1 total,    0 running,    1 sleeping,    0 stopped,    0 zombie
Cpu(s):  0.1%us,   0.0%sy,   0.0%ni, 99.4%id,   0.0%wa,   0.0%hi,   0.5%si,
0.0%st
Mem:    8148056k total,    644824k used,    7503232k free,    108060k buffers
Swap: 19802108k total,         0k used, 19802108k free,    332040k cached

```

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

```

top - 18:10:35 up 1:48, 4 users, load average: 0.00, 0.02, 0.17
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.0%us, 0.0%sy, 0.0%ni, 99.1%id, 0.2%wa, 0.0%hi, 0.7%si,
0.0%st
Mem: 8148056k total, 644824k used, 7503232k free, 108068k buffers
Swap: 19802108k total, 0k used, 19802108k free, 332040k cached

```

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

```

top - 18:10:38 up 1:48, 4 users, load average: 0.00, 0.02, 0.17
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.0%us, 0.0%sy, 0.0%ni, 99.7%id, 0.0%wa, 0.0%hi, 0.3%si,
0.0%st
Mem: 8148056k total, 644824k used, 7503232k free, 108068k buffers
Swap: 19802108k total, 0k used, 19802108k free, 332040k cached

```

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

```

top - 18:10:41 up 1:48, 4 users, load average: 0.00, 0.02, 0.17
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.0%us, 0.0%sy, 0.0%ni, 98.9%id, 0.2%wa, 0.0%hi, 0.8%si,
0.0%st
Mem: 8148056k total, 644824k used, 7503232k free, 108076k buffers
Swap: 19802108k total, 0k used, 19802108k free, 332040k cached

```

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

```

top - 18:10:44 up 1:48, 4 users, load average: 0.00, 0.02, 0.16
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.0%us, 0.0%sy, 0.0%ni, 99.7%id, 0.0%wa, 0.0%hi, 0.3%si,
0.0%st
Mem: 8148056k total, 644824k used, 7503232k free, 108076k buffers
Swap: 19802108k total, 0k used, 19802108k free, 332040k cached

```

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

```

top - 18:10:47 up 1:48, 4 users, load average: 0.00, 0.02, 0.16
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.1%us, 0.1%sy, 0.0%ni, 99.0%id, 0.2%wa, 0.0%hi, 0.6%si,
0.0%st
Mem: 8148056k total, 644824k used, 7503232k free, 108084k buffers
Swap: 19802108k total, 0k used, 19802108k free, 332040k cached

```

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

```

top - 18:10:50 up 1:48, 4 users, load average: 0.00, 0.02, 0.16
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.0%us, 0.0%sy, 0.0%ni, 99.7%id, 0.0%wa, 0.0%hi, 0.3%si,
0.0%st
Mem: 8148056k total, 644824k used, 7503232k free, 108084k buffers
Swap: 19802108k total, 0k used, 19802108k free, 332040k cached

```

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

top - 18:10:53 up 1:48, 4 users, load average: 0.00, 0.02, 0.16
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.0%us, 0.1%sy, 0.0%ni, 99.3%id, 0.3%wa, 0.0%hi, 0.3%si, 0.0%st
Mem: 8148056k total, 644948k used, 7503108k free, 108092k buffers
Swap: 19802108k total, 0k used, 19802108k free, 332044k cached

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

top - 18:10:56 up 1:48, 4 users, load average: 0.00, 0.02, 0.16
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.0%us, 0.0%sy, 0.0%ni, 99.6%id, 0.0%wa, 0.0%hi, 0.4%si, 0.0%st
Mem: 8148056k total, 644948k used, 7503108k free, 108092k buffers
Swap: 19802108k total, 0k used, 19802108k free, 332044k cached

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

top - 18:10:59 up 1:48, 4 users, load average: 0.00, 0.02, 0.16
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.0%us, 0.1%sy, 0.0%ni, 99.3%id, 0.2%wa, 0.0%hi, 0.4%si, 0.0%st
Mem: 8148056k total, 644948k used, 7503108k free, 108100k buffers
Swap: 19802108k total, 0k used, 19802108k free, 332044k cached

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

top - 18:11:02 up 1:48, 4 users, load average: 0.00, 0.02, 0.16
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.0%us, 0.1%sy, 0.0%ni, 99.1%id, 0.0%wa, 0.0%hi, 0.8%si, 0.0%st
Mem: 8148056k total, 644948k used, 7503108k free, 108100k buffers
Swap: 19802108k total, 0k used, 19802108k free, 332068k cached

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

top - 18:11:05 up 1:48, 4 users, load average: 0.00, 0.02, 0.16
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.0%us, 0.0%sy, 0.0%ni, 99.2%id, 0.3%wa, 0.0%hi, 0.5%si, 0.0%st
Mem: 8148056k total, 644948k used, 7503108k free, 108108k buffers
Swap: 19802108k total, 0k used, 19802108k free, 332048k cached

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

top - 18:11:08 up 1:48, 4 users, load average: 0.00, 0.02, 0.16
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie

```
Cpu(s):  0.1%us,  0.0%sy,  0.0%ni, 99.3%id,  0.0%wa,  0.0%hi,  0.6%si,
0.0%st
Mem:   8148056k total,   644948k used,  7503108k free,   108108k buffers
Swap: 19802108k total,         0k used, 19802108k free,   332048k cached
```

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

```
top - 18:11:11 up  1:48,  4 users,  load average: 0.00, 0.02, 0.16
Tasks:  1 total,  0 running,  1 sleeping,  0 stopped,  0 zombie
Cpu(s):  0.0%us,  0.0%sy,  0.0%ni, 99.2%id,  0.4%wa,  0.0%hi,  0.4%si,
0.0%st
Mem:   8148056k total,   644948k used,  7503108k free,   108116k buffers
Swap: 19802108k total,         0k used, 19802108k free,   332048k cached
```

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

```
top - 18:11:14 up  1:48,  4 users,  load average: 0.00, 0.01, 0.16
Tasks:  1 total,  0 running,  1 sleeping,  0 stopped,  0 zombie
Cpu(s):  0.0%us,  0.0%sy,  0.0%ni, 99.0%id,  0.0%wa,  0.0%hi,  1.0%si,
0.0%st
Mem:   8148056k total,   644948k used,  7503108k free,   108116k buffers
Swap: 19802108k total,         0k used, 19802108k free,   332048k cached
```

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

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```
top - 18:16:03 up 1:53, 4 users, load average: 0.51, 0.26, 0.21
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.2%us, 0.1%sy, 0.1%ni, 94.0%id, 0.3%wa, 0.0%hi, 5.2%si, 0.0%st
Mem: 8148056k total, 646304k used, 7501752k free, 108136k buffers
Swap: 19802108k total, 0k used, 19802108k free, 333396k cached
```

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

```
top - 18:16:06 up 1:53, 4 users, load average: 0.47, 0.25, 0.21
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.0%us, 0.0%sy, 0.0%ni, 99.8%id, 0.0%wa, 0.0%hi, 0.2%si, 0.0%st
Mem: 8148056k total, 645320k used, 7502736k free, 108136k buffers
Swap: 19802108k total, 0k used, 19802108k free, 332064k cached
```

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

```
top - 18:16:09 up 1:53, 4 users, load average: 0.51, 0.27, 0.22
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.0%us, 0.0%sy, 0.0%ni, 99.7%id, 0.2%wa, 0.0%hi, 0.2%si, 0.0%st
Mem: 8148056k total, 645352k used, 7502704k free, 108144k buffers
Swap: 19802108k total, 0k used, 19802108k free, 332064k cached
```

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

```
top - 18:16:12 up 1:53, 4 users, load average: 0.51, 0.27, 0.22
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.0%us, 0.0%sy, 0.0%ni, 99.8%id, 0.0%wa, 0.0%hi, 0.2%si, 0.0%st
Mem: 8148056k total, 645352k used, 7502704k free, 108144k buffers
Swap: 19802108k total, 0k used, 19802108k free, 332064k cached
```

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

```
top - 18:16:15 up 1:53, 4 users, load average: 0.47, 0.26, 0.21
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.0%us, 0.0%sy, 0.0%ni, 99.7%id, 0.3%wa, 0.0%hi, 0.1%si, 0.0%st
Mem: 8148056k total, 645352k used, 7502704k free, 108152k buffers
Swap: 19802108k total, 0k used, 19802108k free, 332064k cached
```

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

```
top - 18:16:18 up 1:54, 4 users, load average: 0.47, 0.26, 0.21
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.0%us, 0.1%sy, 0.0%ni, 99.8%id, 0.0%wa, 0.0%hi, 0.1%si, 0.0%st
Mem: 8148056k total, 645352k used, 7502704k free, 108152k buffers
```

Swap: 19802108k total, 0k used, 19802108k free, 332064k cached

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

top - 18:16:21 up 1:54, 4 users, load average: 0.43, 0.26, 0.21

Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie

Cpu(s): 0.0%us, 0.1%sy, 0.0%ni, 99.6%id, 0.2%wa, 0.0%hi, 0.2%si, 0.0%st

Mem: 8148056k total, 645352k used, 7502704k free, 108160k buffers

Swap: 19802108k total, 0k used, 19802108k free, 332064k cached

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

top - 18:16:24 up 1:54, 4 users, load average: 0.40, 0.25, 0.21

Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie

Cpu(s): 0.1%us, 0.0%sy, 0.0%ni, 99.8%id, 0.0%wa, 0.0%hi, 0.2%si, 0.0%st

Mem: 8148056k total, 645352k used, 7502704k free, 108160k buffers

Swap: 19802108k total, 0k used, 19802108k free, 332064k cached

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

top - 18:16:27 up 1:54, 4 users, load average: 0.40, 0.25, 0.21

Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie

Cpu(s): 0.1%us, 0.0%sy, 0.0%ni, 99.4%id, 0.3%wa, 0.0%hi, 0.3%si, 0.0%st

Mem: 8148056k total, 645352k used, 7502704k free, 108168k buffers

Swap: 19802108k total, 0k used, 19802108k free, 332068k cached

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

top - 18:16:30 up 1:54, 4 users, load average: 0.37, 0.25, 0.21

Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie

Cpu(s): 0.0%us, 0.0%sy, 0.0%ni, 100.0%id, 0.0%wa, 0.0%hi, 0.0%si, 0.0%st

Mem: 8148056k total, 645320k used, 7502736k free, 108168k buffers

Swap: 19802108k total, 0k used, 19802108k free, 332068k cached

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

top - 18:16:33 up 1:54, 4 users, load average: 0.37, 0.25, 0.21

Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie

Cpu(s): 0.0%us, 0.1%sy, 0.0%ni, 99.3%id, 0.5%wa, 0.0%hi, 0.1%si, 0.0%st

Mem: 8148056k total, 645352k used, 7502704k free, 108176k buffers

Swap: 19802108k total, 0k used, 19802108k free, 332068k cached

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

top - 18:16:36 up 1:54, 4 users, load average: 0.34, 0.25, 0.21

Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie

```
Cpu(s):  0.0%us,  0.0%sy,  0.0%ni, 99.9%id,  0.0%wa,  0.0%hi,  0.1%si,
0.0%st
Mem:   8148056k total,   645352k used,  7502704k free,   108176k buffers
Swap: 19802108k total,         0k used, 19802108k free,   332068k cached
```

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

```
top - 18:16:39 up  1:54,  4 users,  load average: 0.31, 0.24, 0.21
Tasks:  1 total,  0 running,  1 sleeping,  0 stopped,  0 zombie
Cpu(s):  0.1%us,  0.0%sy,  0.0%ni, 99.4%id,  0.4%wa,  0.0%hi,  0.1%si,
0.0%st
Mem:   8148056k total,   645352k used,  7502704k free,   108184k buffers
Swap: 19802108k total,         0k used, 19802108k free,   332068k cached
```

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

```
top - 18:16:42 up  1:54,  4 users,  load average: 0.31, 0.24, 0.21
Tasks:  1 total,  0 running,  1 sleeping,  0 stopped,  0 zombie
Cpu(s):  0.0%us,  0.0%sy,  0.0%ni, 99.9%id,  0.0%wa,  0.0%hi,  0.1%si,
0.0%st
Mem:   8148056k total,   645352k used,  7502704k free,   108184k buffers
Swap: 19802108k total,         0k used, 19802108k free,   332068k cached
```

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

```
top - 18:16:45 up  1:54,  4 users,  load average: 0.29, 0.24, 0.21
Tasks:  1 total,  0 running,  1 sleeping,  0 stopped,  0 zombie
Cpu(s):  0.0%us,  0.1%sy,  0.0%ni, 99.3%id,  0.4%wa,  0.0%hi,  0.2%si,
0.0%st
Mem:   8148056k total,   645352k used,  7502704k free,   108192k buffers
Swap: 19802108k total,         0k used, 19802108k free,   332068k cached
```

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

```
top - 18:16:48 up  1:54,  4 users,  load average: 0.29, 0.24, 0.21
Tasks:  1 total,  0 running,  1 sleeping,  0 stopped,  0 zombie
Cpu(s):  0.0%us,  0.0%sy,  0.0%ni,100.0%id,  0.0%wa,  0.0%hi,  0.0%si,
0.0%st
Mem:   8148056k total,   645352k used,  7502704k free,   108192k buffers
Swap: 19802108k total,         0k used, 19802108k free,   332068k cached
```

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

```
top - 18:16:51 up  1:54,  4 users,  load average: 0.26, 0.23, 0.21
Tasks:  1 total,  0 running,  1 sleeping,  0 stopped,  0 zombie
Cpu(s):  0.0%us,  0.1%sy,  0.0%ni, 99.4%id,  0.4%wa,  0.0%hi,  0.1%si,
0.0%st
Mem:   8148056k total,   645352k used,  7502704k free,   108200k buffers
Swap: 19802108k total,         0k used, 19802108k free,   332072k cached
```

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

```
top - 18:16:54 up 1:54, 4 users, load average: 0.24, 0.23, 0.21
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.1%us, 0.0%sy, 0.0%ni, 99.7%id, 0.0%wa, 0.0%hi, 0.2%si,
0.0%st
Mem: 8148056k total, 645352k used, 7502704k free, 108200k buffers
Swap: 19802108k total, 0k used, 19802108k free, 332072k cached
```

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

```
top - 18:16:57 up 1:54, 4 users, load average: 0.24, 0.23, 0.21
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.0%us, 0.0%sy, 0.0%ni, 99.7%id, 0.2%wa, 0.0%hi, 0.2%si,
0.0%st
Mem: 8148056k total, 645352k used, 7502704k free, 108208k buffers
Swap: 19802108k total, 0k used, 19802108k free, 332072k cached
```

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

```
top - 18:17:00 up 1:54, 4 users, load average: 0.22, 0.23, 0.21
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.1%us, 0.0%sy, 0.0%ni, 99.9%id, 0.0%wa, 0.0%hi, 0.0%si,
0.0%st
Mem: 8148056k total, 645400k used, 7502656k free, 108208k buffers
Swap: 19802108k total, 0k used, 19802108k free, 332072k cached
```

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

```
top - 18:17:03 up 1:54, 4 users, load average: 0.22, 0.23, 0.21
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.0%us, 0.1%sy, 0.0%ni, 99.1%id, 0.4%wa, 0.0%hi, 0.3%si,
0.0%st
Mem: 8148056k total, 645360k used, 7502696k free, 108216k buffers
Swap: 19802108k total, 0k used, 19802108k free, 332072k cached
```

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

```
top - 18:17:06 up 1:54, 4 users, load average: 0.20, 0.22, 0.20
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.1%us, 0.0%sy, 0.0%ni, 99.9%id, 0.0%wa, 0.0%hi, 0.0%si,
0.0%st
Mem: 8148056k total, 645328k used, 7502728k free, 108216k buffers
Swap: 19802108k total, 0k used, 19802108k free, 332072k cached
```

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

```
top - 18:17:09 up 1:54, 4 users, load average: 0.19, 0.22, 0.20
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.0%us, 0.1%sy, 0.0%ni, 99.6%id, 0.2%wa, 0.0%hi, 0.2%si,
0.0%st
Mem: 8148056k total, 645360k used, 7502696k free, 108224k buffers
Swap: 19802108k total, 0k used, 19802108k free, 332072k cached
```


| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

top - 18:17:12 up 1:54, 4 users, load average: 0.19, 0.22, 0.20
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.0%us, 0.0%sy, 0.0%ni, 99.8%id, 0.0%wa, 0.0%hi, 0.2%si, 0.0%st
Mem: 8148056k total, 645296k used, 7502760k free, 108224k buffers
Swap: 19802108k total, 0k used, 19802108k free, 332072k cached

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

top - 18:17:15 up 1:54, 4 users, load average: 0.17, 0.21, 0.20
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.0%us, 0.0%sy, 0.0%ni, 99.5%id, 0.4%wa, 0.0%hi, 0.1%si, 0.0%st
Mem: 8148056k total, 645360k used, 7502696k free, 108232k buffers
Swap: 19802108k total, 0k used, 19802108k free, 332076k cached

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

top - 18:17:18 up 1:55, 4 users, load average: 0.17, 0.21, 0.20
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.0%us, 0.0%sy, 0.0%ni, 100.0%id, 0.0%wa, 0.0%hi, 0.0%si, 0.0%st
Mem: 8148056k total, 645360k used, 7502696k free, 108232k buffers
Swap: 19802108k total, 0k used, 19802108k free, 332076k cached

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

top - 18:17:21 up 1:55, 4 users, load average: 0.16, 0.21, 0.20
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.0%us, 0.0%sy, 0.0%ni, 99.7%id, 0.3%wa, 0.0%hi, 0.1%si, 0.0%st
Mem: 8148056k total, 645360k used, 7502696k free, 108240k buffers
Swap: 19802108k total, 0k used, 19802108k free, 332076k cached

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

top - 18:17:24 up 1:55, 4 users, load average: 0.15, 0.21, 0.20
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.0%us, 0.1%sy, 0.0%ni, 99.4%id, 0.0%wa, 0.0%hi, 0.5%si, 0.0%st
Mem: 8148056k total, 645360k used, 7502696k free, 108240k buffers
Swap: 19802108k total, 0k used, 19802108k free, 332076k cached

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

top - 18:17:27 up 1:55, 4 users, load average: 0.15, 0.21, 0.20
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.1%us, 0.1%sy, 0.0%ni, 99.6%id, 0.2%wa, 0.0%hi, 0.1%si, 0.0%st

Mem: 8148056k total, 645360k used, 7502696k free, 108248k buffers
Swap: 19802108k total, 0k used, 19802108k free, 332076k cached

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

top - 18:17:30 up 1:55, 4 users, load average: 0.14, 0.20, 0.20
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.1%us, 0.0%sy, 0.0%ni, 99.9%id, 0.0%wa, 0.0%hi, 0.0%si, 0.0%st
Mem: 8148056k total, 645360k used, 7502696k free, 108248k buffers
Swap: 19802108k total, 0k used, 19802108k free, 332076k cached

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

top - 18:17:33 up 1:55, 4 users, load average: 0.14, 0.20, 0.20
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.0%us, 0.0%sy, 0.0%ni, 99.7%id, 0.2%wa, 0.0%hi, 0.1%si, 0.0%st
Mem: 8148056k total, 645296k used, 7502760k free, 108256k buffers
Swap: 19802108k total, 0k used, 19802108k free, 332076k cached

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

top - 18:17:36 up 1:55, 4 users, load average: 0.12, 0.20, 0.20
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.0%us, 0.0%sy, 0.0%ni, 100.0%id, 0.0%wa, 0.0%hi, 0.0%si, 0.0%st
Mem: 8148056k total, 645360k used, 7502696k free, 108256k buffers
Swap: 19802108k total, 0k used, 19802108k free, 332076k cached

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

top - 18:17:39 up 1:55, 4 users, load average: 0.11, 0.20, 0.20
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.0%us, 0.0%sy, 0.0%ni, 99.5%id, 0.2%wa, 0.0%hi, 0.3%si, 0.0%st
Mem: 8148056k total, 645360k used, 7502696k free, 108264k buffers
Swap: 19802108k total, 0k used, 19802108k free, 332080k cached

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

top - 18:17:42 up 1:55, 4 users, load average: 0.11, 0.20, 0.20
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.1%us, 0.0%sy, 0.0%ni, 99.9%id, 0.0%wa, 0.0%hi, 0.0%si, 0.0%st
Mem: 8148056k total, 645360k used, 7502696k free, 108264k buffers
Swap: 19802108k total, 0k used, 19802108k free, 332080k cached

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

top - 18:17:45 up 1:55, 4 users, load average: 0.11, 0.19, 0.20

```

Tasks:   1 total,    0 running,    1 sleeping,    0 stopped,    0 zombie
Cpu(s):  0.0%us,   0.1%sy,   0.0%ni, 99.3%id,   0.5%wa,   0.0%hi,   0.1%si,
0.0%st
Mem:   8148056k total,   645360k used,   7502696k free,   108272k buffers
Swap: 19802108k total,    0k used, 19802108k free,   332080k cached

```

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

```

top - 18:17:48 up 1:55, 4 users, load average: 0.11, 0.19, 0.20
Tasks:   1 total,    0 running,    1 sleeping,    0 stopped,    0 zombie
Cpu(s):  0.0%us,   0.0%sy,   0.0%ni, 99.9%id,   0.0%wa,   0.0%hi,   0.1%si,
0.0%st
Mem:   8148056k total,   645360k used,   7502696k free,   108272k buffers
Swap: 19802108k total,    0k used, 19802108k free,   332080k cached

```

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

```

top - 18:17:51 up 1:55, 4 users, load average: 0.10, 0.19, 0.20
Tasks:   1 total,    0 running,    1 sleeping,    0 stopped,    0 zombie
Cpu(s):  0.0%us,   0.1%sy,   0.0%ni, 99.3%id,   0.4%wa,   0.0%hi,   0.2%si,
0.0%st
Mem:   8148056k total,   645360k used,   7502696k free,   108280k buffers
Swap: 19802108k total,    0k used, 19802108k free,   332080k cached

```

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

```

top - 18:17:54 up 1:55, 4 users, load average: 0.09, 0.19, 0.20
Tasks:   1 total,    0 running,    1 sleeping,    0 stopped,    0 zombie
Cpu(s):  0.0%us,   0.0%sy,   0.0%ni, 99.8%id,   0.0%wa,   0.0%hi,   0.2%si,
0.0%st
Mem:   8148056k total,   645360k used,   7502696k free,   108280k buffers
Swap: 19802108k total,    0k used, 19802108k free,   332080k cached

```

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

```

top - 18:17:57 up 1:55, 4 users, load average: 0.09, 0.19, 0.20
Tasks:   1 total,    0 running,    1 sleeping,    0 stopped,    0 zombie
Cpu(s):  0.1%us,   0.1%sy,   0.0%ni, 99.5%id,   0.3%wa,   0.0%hi,   0.0%si,
0.0%st
Mem:   8148056k total,   645328k used,   7502728k free,   108288k buffers
Swap: 19802108k total,    0k used, 19802108k free,   332080k cached

```

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

```

top - 18:18:00 up 1:55, 4 users, load average: 0.08, 0.18, 0.19
Tasks:   1 total,    0 running,    1 sleeping,    0 stopped,    0 zombie
Cpu(s):  0.0%us,   0.0%sy,   0.0%ni,100.0%id,   0.0%wa,   0.0%hi,   0.0%si,
0.0%st
Mem:   8148056k total,   645424k used,   7502632k free,   108288k buffers
Swap: 19802108k total,    0k used, 19802108k free,   332080k cached

```

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

```

top - 18:18:03 up 1:55, 4 users, load average: 0.08, 0.18, 0.19
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.0%us, 0.0%sy, 0.0%ni, 99.2%id, 0.6%wa, 0.0%hi, 0.2%si,
0.0%st
Mem: 8148056k total, 645352k used, 7502704k free, 108296k buffers
Swap: 19802108k total, 0k used, 19802108k free, 332084k cached

```

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

```

top - 18:18:06 up 1:55, 4 users, load average: 0.08, 0.18, 0.19
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.1%us, 0.0%sy, 0.0%ni, 99.7%id, 0.0%wa, 0.0%hi, 0.2%si,
0.0%st
Mem: 8148056k total, 645352k used, 7502704k free, 108296k buffers
Swap: 19802108k total, 0k used, 19802108k free, 332084k cached

```

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

```

top - 18:18:09 up 1:55, 4 users, load average: 0.07, 0.18, 0.19
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.1%us, 0.1%sy, 0.0%ni, 99.3%id, 0.2%wa, 0.0%hi, 0.2%si,
0.0%st
Mem: 8148056k total, 645352k used, 7502704k free, 108304k buffers
Swap: 19802108k total, 0k used, 19802108k free, 332084k cached

```

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

```

top - 18:18:12 up 1:55, 4 users, load average: 0.07, 0.18, 0.19
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.0%us, 0.0%sy, 0.0%ni, 100.0%id, 0.0%wa, 0.0%hi, 0.0%si,
0.0%st
Mem: 8148056k total, 645352k used, 7502704k free, 108304k buffers
Swap: 19802108k total, 0k used, 19802108k free, 332084k cached

```

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

```

top - 18:18:15 up 1:55, 4 users, load average: 0.06, 0.18, 0.19
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.0%us, 0.0%sy, 0.0%ni, 99.6%id, 0.3%wa, 0.0%hi, 0.1%si,
0.0%st
Mem: 8148056k total, 645352k used, 7502704k free, 108312k buffers
Swap: 19802108k total, 0k used, 19802108k free, 332084k cached

```

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

```

top - 18:18:18 up 1:56, 4 users, load average: 0.06, 0.18, 0.19
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.0%us, 0.0%sy, 0.0%ni, 99.9%id, 0.0%wa, 0.0%hi, 0.1%si,
0.0%st
Mem: 8148056k total, 645352k used, 7502704k free, 108312k buffers
Swap: 19802108k total, 0k used, 19802108k free, 332084k cached

```

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

top - 18:18:21 up 1:56, 4 users, load average: 0.06, 0.17, 0.19
 Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
 Cpu(s): 0.0%us, 0.0%sy, 0.0%ni, 99.5%id, 0.4%wa, 0.0%hi, 0.1%si, 0.0%st
 Mem: 8148056k total, 645320k used, 7502736k free, 108320k buffers
 Swap: 19802108k total, 0k used, 19802108k free, 332084k cached

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

top - 18:18:24 up 1:56, 4 users, load average: 0.05, 0.17, 0.19
 Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
 Cpu(s): 0.0%us, 0.1%sy, 0.0%ni, 99.8%id, 0.0%wa, 0.0%hi, 0.2%si, 0.0%st
 Mem: 8148056k total, 645352k used, 7502704k free, 108320k buffers
 Swap: 19802108k total, 0k used, 19802108k free, 332088k cached

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

top - 18:18:27 up 1:56, 4 users, load average: 0.05, 0.17, 0.19
 Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
 Cpu(s): 0.0%us, 0.1%sy, 0.0%ni, 99.5%id, 0.3%wa, 0.0%hi, 0.1%si, 0.0%st
 Mem: 8148056k total, 645352k used, 7502704k free, 108328k buffers
 Swap: 19802108k total, 0k used, 19802108k free, 332088k cached

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

top - 18:18:30 up 1:56, 4 users, load average: 0.05, 0.17, 0.19
 Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
 Cpu(s): 0.0%us, 0.1%sy, 0.0%ni, 99.8%id, 0.0%wa, 0.0%hi, 0.1%si, 0.0%st
 Mem: 8148056k total, 645320k used, 7502736k free, 108328k buffers
 Swap: 19802108k total, 0k used, 19802108k free, 332088k cached

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

top - 18:18:33 up 1:56, 4 users, load average: 0.05, 0.17, 0.19
 Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
 Cpu(s): 0.1%us, 0.1%sy, 0.0%ni, 99.6%id, 0.3%wa, 0.0%hi, 0.0%si, 0.0%st
 Mem: 8148056k total, 645352k used, 7502704k free, 108336k buffers
 Swap: 19802108k total, 0k used, 19802108k free, 332088k cached

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

top - 18:18:36 up 1:56, 4 users, load average: 0.05, 0.16, 0.19
 Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie

```
Cpu(s):  0.0%us,  0.0%sy,  0.0%ni, 99.9%id,  0.0%wa,  0.0%hi,  0.1%si,
0.0%st
Mem:   8148056k total,    645352k used,   7502704k free,    108336k buffers
Swap: 19802108k total,         0k used, 19802108k free,    332088k cached
```

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

```
top - 18:18:39 up  1:56,  4 users,  load average: 0.04, 0.16, 0.19
Tasks:  1 total,  0 running,  1 sleeping,  0 stopped,  0 zombie
Cpu(s):  0.0%us,  0.0%sy,  0.0%ni, 99.7%id,  0.2%wa,  0.0%hi,  0.1%si,
0.0%st
Mem:   8148056k total,    645476k used,   7502580k free,    108344k buffers
Swap: 19802108k total,         0k used, 19802108k free,    332088k cached
```

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

```
top - 18:18:42 up  1:56,  4 users,  load average: 0.04, 0.16, 0.19
Tasks:  1 total,  0 running,  1 sleeping,  0 stopped,  0 zombie
Cpu(s):  0.0%us,  0.1%sy,  0.0%ni, 99.8%id,  0.0%wa,  0.0%hi,  0.2%si,
0.0%st
Mem:   8148056k total,    645476k used,   7502580k free,    108344k buffers
Swap: 19802108k total,         0k used, 19802108k free,    332088k cached
```

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

```
top - 18:18:45 up  1:56,  4 users,  load average: 0.04, 0.16, 0.19
Tasks:  1 total,  0 running,  1 sleeping,  0 stopped,  0 zombie
Cpu(s):  0.0%us,  0.1%sy,  0.0%ni, 99.4%id,  0.4%wa,  0.0%hi,  0.1%si,
0.0%st
Mem:   8148056k total,    645476k used,   7502580k free,    108352k buffers
Swap: 19802108k total,         0k used, 19802108k free,    332088k cached
```

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

```
top - 18:18:48 up  1:56,  4 users,  load average: 0.04, 0.16, 0.19
Tasks:  1 total,  0 running,  1 sleeping,  0 stopped,  0 zombie
Cpu(s):  0.0%us,  0.0%sy,  0.0%ni, 99.9%id,  0.0%wa,  0.0%hi,  0.1%si,
0.0%st
Mem:   8148056k total,    645476k used,   7502580k free,    108352k buffers
Swap: 19802108k total,         0k used, 19802108k free,    332092k cached
```

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

```
top - 18:18:51 up  1:56,  4 users,  load average: 0.04, 0.16, 0.18
Tasks:  1 total,  0 running,  1 sleeping,  0 stopped,  0 zombie
Cpu(s):  0.0%us,  0.0%sy,  0.0%ni, 99.6%id,  0.4%wa,  0.0%hi,  0.0%si,
0.0%st
Mem:   8148056k total,    645476k used,   7502580k free,    108360k buffers
Swap: 19802108k total,         0k used, 19802108k free,    332092k cached
```

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

```
top - 18:18:54 up 1:56, 4 users, load average: 0.03, 0.15, 0.18
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.0%us, 0.1%sy, 0.0%ni, 99.7%id, 0.0%wa, 0.0%hi, 0.2%si,
0.0%st
Mem: 8148056k total, 645444k used, 7502612k free, 108360k buffers
Swap: 19802108k total, 0k used, 19802108k free, 332092k cached
```

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

```
top - 18:18:57 up 1:56, 4 users, load average: 0.03, 0.15, 0.18
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.0%us, 0.1%sy, 0.0%ni, 99.6%id, 0.2%wa, 0.0%hi, 0.1%si,
0.0%st
Mem: 8148056k total, 645444k used, 7502612k free, 108368k buffers
Swap: 19802108k total, 0k used, 19802108k free, 332092k cached
```

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

```
top - 18:19:00 up 1:56, 4 users, load average: 0.03, 0.15, 0.18
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.1%us, 0.0%sy, 0.0%ni, 99.8%id, 0.0%wa, 0.0%hi, 0.1%si,
0.0%st
Mem: 8148056k total, 645380k used, 7502676k free, 108368k buffers
Swap: 19802108k total, 0k used, 19802108k free, 332116k cached
```

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

```
top - 18:19:03 up 1:56, 4 users, load average: 0.03, 0.15, 0.18
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.0%us, 0.0%sy, 0.0%ni, 99.5%id, 0.2%wa, 0.0%hi, 0.2%si,
0.0%st
Mem: 8148056k total, 645476k used, 7502580k free, 108376k buffers
Swap: 19802108k total, 0k used, 19802108k free, 332092k cached
```

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

```
top - 18:19:06 up 1:56, 4 users, load average: 0.03, 0.15, 0.18
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.0%us, 0.0%sy, 0.0%ni, 100.0%id, 0.0%wa, 0.0%hi, 0.0%si,
0.0%st
Mem: 8148056k total, 645476k used, 7502580k free, 108376k buffers
Swap: 19802108k total, 0k used, 19802108k free, 332092k cached
```

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

```
top - 18:19:09 up 1:56, 4 users, load average: 0.03, 0.15, 0.18
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.0%us, 0.0%sy, 0.0%ni, 99.4%id, 0.2%wa, 0.0%hi, 0.4%si,
0.0%st
Mem: 8148056k total, 645476k used, 7502580k free, 108384k buffers
Swap: 19802108k total, 0k used, 19802108k free, 332092k cached
```

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

top - 18:19:12 up 1:56, 4 users, load average: 0.03, 0.15, 0.18
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.0%us, 0.1%sy, 0.0%ni, 99.9%id, 0.0%wa, 0.0%hi, 0.0%si, 0.0%st
Mem: 8148056k total, 645476k used, 7502580k free, 108384k buffers
Swap: 19802108k total, 0k used, 19802108k free, 332096k cached

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

top - 18:19:15 up 1:56, 4 users, load average: 0.02, 0.14, 0.18
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.0%us, 0.0%sy, 0.0%ni, 99.6%id, 0.4%wa, 0.0%hi, 0.0%si, 0.0%st
Mem: 8148056k total, 645476k used, 7502580k free, 108392k buffers
Swap: 19802108k total, 0k used, 19802108k free, 332096k cached

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

top - 18:19:18 up 1:57, 4 users, load average: 0.02, 0.14, 0.18
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.0%us, 0.0%sy, 0.0%ni, 99.9%id, 0.0%wa, 0.0%hi, 0.1%si, 0.0%st
Mem: 8148056k total, 645476k used, 7502580k free, 108392k buffers
Swap: 19802108k total, 0k used, 19802108k free, 332096k cached

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

top - 18:19:22 up 1:57, 4 users, load average: 0.02, 0.14, 0.18
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.0%us, 0.1%sy, 0.0%ni, 99.4%id, 0.4%wa, 0.0%hi, 0.1%si, 0.0%st
Mem: 8148056k total, 645476k used, 7502580k free, 108400k buffers
Swap: 19802108k total, 0k used, 19802108k free, 332096k cached

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

top - 18:19:25 up 1:57, 4 users, load average: 0.02, 0.14, 0.18
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.1%us, 0.0%sy, 0.0%ni, 99.7%id, 0.0%wa, 0.0%hi, 0.2%si, 0.0%st
Mem: 8148056k total, 645476k used, 7502580k free, 108400k buffers
Swap: 19802108k total, 0k used, 19802108k free, 332096k cached

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

top - 18:19:28 up 1:57, 4 users, load average: 0.02, 0.14, 0.18
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.0%us, 0.2%sy, 0.0%ni, 99.5%id, 0.3%wa, 0.0%hi, 0.0%si, 0.0%st

Mem: 8148056k total, 645476k used, 7502580k free, 108408k buffers
Swap: 19802108k total, 0k used, 19802108k free, 332096k cached

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

top - 18:19:31 up 1:57, 4 users, load average: 0.02, 0.14, 0.18
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.1%us, 0.0%sy, 0.0%ni, 99.8%id, 0.0%wa, 0.0%hi, 0.1%si, 0.0%st
Mem: 8148056k total, 645476k used, 7502580k free, 108408k buffers
Swap: 19802108k total, 0k used, 19802108k free, 332096k cached

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

top - 18:19:34 up 1:57, 4 users, load average: 0.02, 0.14, 0.18
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.0%us, 0.0%sy, 0.0%ni, 99.6%id, 0.3%wa, 0.0%hi, 0.1%si, 0.0%st
Mem: 8148056k total, 645476k used, 7502580k free, 108416k buffers
Swap: 19802108k total, 0k used, 19802108k free, 332096k cached

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

top - 18:19:37 up 1:57, 4 users, load average: 0.02, 0.13, 0.18
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.0%us, 0.1%sy, 0.0%ni, 99.8%id, 0.0%wa, 0.0%hi, 0.1%si, 0.0%st
Mem: 8148056k total, 645476k used, 7502580k free, 108416k buffers
Swap: 19802108k total, 0k used, 19802108k free, 332100k cached

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

top - 18:19:40 up 1:57, 4 users, load average: 0.02, 0.13, 0.17
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.0%us, 0.1%sy, 0.0%ni, 99.5%id, 0.4%wa, 0.0%hi, 0.0%si, 0.0%st
Mem: 8148056k total, 645476k used, 7502580k free, 108424k buffers
Swap: 19802108k total, 0k used, 19802108k free, 332100k cached

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

top - 18:19:43 up 1:57, 4 users, load average: 0.02, 0.13, 0.17
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.0%us, 0.0%sy, 0.0%ni, 99.9%id, 0.0%wa, 0.0%hi, 0.1%si, 0.0%st
Mem: 8148056k total, 645476k used, 7502580k free, 108424k buffers
Swap: 19802108k total, 0k used, 19802108k free, 332100k cached

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

top - 18:19:46 up 1:57, 4 users, load average: 0.01, 0.13, 0.17

```

Tasks:   1 total,    0 running,    1 sleeping,    0 stopped,    0 zombie
Cpu(s):  0.0%us,   0.1%sy,   0.0%ni, 99.7%id,   0.2%wa,   0.0%hi,   0.0%si,
0.0%st
Mem:   8148056k total,   645476k used,   7502580k free,   108432k buffers
Swap: 19802108k total,    0k used, 19802108k free,   332100k cached

```

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

```

top - 18:19:49 up 1:57, 4 users, load average: 0.01, 0.13, 0.17
Tasks:   1 total,    0 running,    1 sleeping,    0 stopped,    0 zombie
Cpu(s):  0.1%us,   0.0%sy,   0.0%ni, 99.8%id,   0.0%wa,   0.0%hi,   0.2%si,
0.0%st
Mem:   8148056k total,   645476k used,   7502580k free,   108432k buffers
Swap: 19802108k total,    0k used, 19802108k free,   332100k cached

```

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

```

top - 18:19:52 up 1:57, 4 users, load average: 0.01, 0.13, 0.17
Tasks:   1 total,    0 running,    1 sleeping,    0 stopped,    0 zombie
Cpu(s):  0.1%us,   0.0%sy,   0.0%ni, 99.4%id,   0.5%wa,   0.0%hi,   0.0%si,
0.0%st
Mem:   8148056k total,   645476k used,   7502580k free,   108440k buffers
Swap: 19802108k total,    0k used, 19802108k free,   332100k cached

```

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

```

top - 18:19:55 up 1:57, 4 users, load average: 0.01, 0.13, 0.17
Tasks:   1 total,    0 running,    1 sleeping,    0 stopped,    0 zombie
Cpu(s):  0.0%us,   0.1%sy,   0.0%ni, 99.8%id,   0.0%wa,   0.0%hi,   0.1%si,
0.0%st
Mem:   8148056k total,   645476k used,   7502580k free,   108440k buffers
Swap: 19802108k total,    0k used, 19802108k free,   332100k cached

```

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

```

top - 18:19:58 up 1:57, 4 users, load average: 0.01, 0.13, 0.17
Tasks:   1 total,    0 running,    1 sleeping,    0 stopped,    0 zombie
Cpu(s):  0.0%us,   0.0%sy,   0.0%ni, 99.4%id,   0.4%wa,   0.0%hi,   0.2%si,
0.0%st
Mem:   8148056k total,   645476k used,   7502580k free,   108448k buffers
Swap: 19802108k total,    0k used, 19802108k free,   332100k cached

```

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

```

top - 18:20:01 up 1:57, 4 users, load average: 0.01, 0.12, 0.17
Tasks:   1 total,    0 running,    1 sleeping,    0 stopped,    0 zombie
Cpu(s):  0.1%us,   0.0%sy,   0.0%ni, 99.8%id,   0.0%wa,   0.0%hi,   0.1%si,
0.0%st
Mem:   8148056k total,   645476k used,   7502580k free,   108448k buffers
Swap: 19802108k total,    0k used, 19802108k free,   332128k cached

```

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

```
top - 18:20:04 up 1:57, 4 users, load average: 0.01, 0.12, 0.17
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.1%us, 0.1%sy, 0.0%ni, 99.4%id, 0.3%wa, 0.0%hi, 0.1%si, 0.0%st
Mem: 8148056k total, 645476k used, 7502580k free, 108456k buffers
Swap: 19802108k total, 0k used, 19802108k free, 332104k cached
```

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

```
top - 18:20:07 up 1:57, 4 users, load average: 0.01, 0.12, 0.17
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.0%us, 0.0%sy, 0.0%ni, 100.0%id, 0.0%wa, 0.0%hi, 0.0%si, 0.0%st
Mem: 8148056k total, 645476k used, 7502580k free, 108456k buffers
Swap: 19802108k total, 0k used, 19802108k free, 332104k cached
```

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

```
top - 18:20:10 up 1:57, 4 users, load average: 0.01, 0.12, 0.17
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.0%us, 0.1%sy, 0.0%ni, 99.6%id, 0.3%wa, 0.0%hi, 0.0%si, 0.0%st
Mem: 8148056k total, 645600k used, 7502456k free, 108464k buffers
Swap: 19802108k total, 0k used, 19802108k free, 332104k cached
```

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

```
top - 18:20:13 up 1:57, 4 users, load average: 0.01, 0.12, 0.17
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.1%us, 0.0%sy, 0.0%ni, 99.9%id, 0.0%wa, 0.0%hi, 0.0%si, 0.0%st
Mem: 8148056k total, 645536k used, 7502520k free, 108464k buffers
Swap: 19802108k total, 0k used, 19802108k free, 332104k cached
```

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

```
top - 18:20:16 up 1:57, 4 users, load average: 0.01, 0.12, 0.17
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.1%us, 0.0%sy, 0.0%ni, 99.6%id, 0.2%wa, 0.0%hi, 0.2%si, 0.0%st
Mem: 8148056k total, 645600k used, 7502456k free, 108472k buffers
Swap: 19802108k total, 0k used, 19802108k free, 332104k cached
```

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

```
top - 18:20:19 up 1:58, 4 users, load average: 0.01, 0.12, 0.17
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.0%us, 0.0%sy, 0.0%ni, 100.0%id, 0.0%wa, 0.0%hi, 0.0%si, 0.0%st
Mem: 8148056k total, 645600k used, 7502456k free, 108472k buffers
Swap: 19802108k total, 0k used, 19802108k free, 332104k cached
```

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

top - 18:20:22 up 1:58, 4 users, load average: 0.01, 0.12, 0.17
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.0%us, 0.0%sy, 0.0%ni, 99.6%id, 0.4%wa, 0.0%hi, 0.0%si, 0.0%st
Mem: 8148056k total, 645536k used, 7502520k free, 108480k buffers
Swap: 19802108k total, 0k used, 19802108k free, 332108k cached

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

top - 18:20:25 up 1:58, 4 users, load average: 0.01, 0.11, 0.17
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.0%us, 0.1%sy, 0.0%ni, 99.8%id, 0.0%wa, 0.0%hi, 0.1%si, 0.0%st
Mem: 8148056k total, 645600k used, 7502456k free, 108480k buffers
Swap: 19802108k total, 0k used, 19802108k free, 332108k cached

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

top - 18:20:28 up 1:58, 4 users, load average: 0.01, 0.11, 0.17
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.0%us, 0.0%sy, 0.0%ni, 99.3%id, 0.5%wa, 0.0%hi, 0.2%si, 0.0%st
Mem: 8148056k total, 645600k used, 7502456k free, 108488k buffers
Swap: 19802108k total, 0k used, 19802108k free, 332108k cached

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

top - 18:20:31 up 1:58, 4 users, load average: 0.01, 0.11, 0.16
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.0%us, 0.1%sy, 0.0%ni, 99.8%id, 0.0%wa, 0.0%hi, 0.1%si, 0.0%st
Mem: 8148056k total, 645600k used, 7502456k free, 108488k buffers
Swap: 19802108k total, 0k used, 19802108k free, 332108k cached

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

top - 18:20:34 up 1:58, 4 users, load average: 0.01, 0.11, 0.16
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.0%us, 0.0%sy, 0.0%ni, 99.6%id, 0.4%wa, 0.0%hi, 0.0%si, 0.0%st
Mem: 8148056k total, 645536k used, 7502520k free, 108496k buffers
Swap: 19802108k total, 0k used, 19802108k free, 332108k cached

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

top - 18:20:37 up 1:58, 4 users, load average: 0.01, 0.11, 0.16
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie

```
Cpu(s):  0.0%us,  0.0%sy,  0.0%ni,100.0%id,  0.0%wa,  0.0%hi,  0.0%si,
0.0%st
Mem:    8148056k total,    645600k used,    7502456k free,    108496k buffers
Swap: 19802108k total,          0k used, 19802108k free,    332108k cached
```

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

```
top - 18:20:40 up  1:58,  4 users,  load average: 0.01, 0.11, 0.16
Tasks:  1 total,  0 running,  1 sleeping,  0 stopped,  0 zombie
Cpu(s):  0.0%us,  0.1%sy,  0.0%ni, 99.4%id,  0.3%wa,  0.0%hi,  0.2%si,
0.0%st
Mem:    8148056k total,    645600k used,    7502456k free,    108504k buffers
Swap: 19802108k total,          0k used, 19802108k free,    332104k cached
```

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

```
top - 18:20:43 up  1:58,  4 users,  load average: 0.01, 0.11, 0.16
Tasks:  1 total,  0 running,  1 sleeping,  0 stopped,  0 zombie
Cpu(s):  0.0%us,  0.1%sy,  0.0%ni, 99.8%id,  0.0%wa,  0.0%hi,  0.1%si,
0.0%st
Mem:    8148056k total,    645600k used,    7502456k free,    108504k buffers
Swap: 19802108k total,          0k used, 19802108k free,    332108k cached
```

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

```
top - 18:20:46 up  1:58,  4 users,  load average: 0.01, 0.11, 0.16
Tasks:  1 total,  0 running,  1 sleeping,  0 stopped,  0 zombie
Cpu(s):  0.0%us,  0.1%sy,  0.0%ni, 99.5%id,  0.5%wa,  0.0%hi,  0.0%si,
0.0%st
Mem:    8148056k total,    645600k used,    7502456k free,    108512k buffers
Swap: 19802108k total,          0k used, 19802108k free,    332112k cached
```

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

```
top - 18:20:49 up  1:58,  4 users,  load average: 0.01, 0.11, 0.16
Tasks:  1 total,  0 running,  1 sleeping,  0 stopped,  0 zombie
Cpu(s):  0.1%us,  0.0%sy,  0.0%ni, 99.9%id,  0.0%wa,  0.0%hi,  0.0%si,
0.0%st
Mem:    8148056k total,    645600k used,    7502456k free,    108512k buffers
Swap: 19802108k total,          0k used, 19802108k free,    332112k cached
```

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

```
top - 18:20:52 up  1:58,  4 users,  load average: 0.00, 0.10, 0.16
Tasks:  1 total,  0 running,  1 sleeping,  0 stopped,  0 zombie
Cpu(s):  0.0%us,  0.0%sy,  0.0%ni, 99.7%id,  0.2%wa,  0.0%hi,  0.1%si,
0.0%st
Mem:    8148056k total,    645568k used,    7502488k free,    108520k buffers
Swap: 19802108k total,          0k used, 19802108k free,    332112k cached
```

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

```
top - 18:20:55 up 1:58, 4 users, load average: 0.00, 0.10, 0.16
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.0%us, 0.1%sy, 0.0%ni, 99.8%id, 0.0%wa, 0.0%hi, 0.2%si,
0.0%st
Mem: 8148056k total, 645568k used, 7502488k free, 108520k buffers
Swap: 19802108k total, 0k used, 19802108k free, 332112k cached
```

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

```
top - 18:20:58 up 1:58, 4 users, load average: 0.00, 0.10, 0.16
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.0%us, 0.0%sy, 0.0%ni, 99.6%id, 0.4%wa, 0.0%hi, 0.0%si,
0.0%st
Mem: 8148056k total, 645600k used, 7502456k free, 108528k buffers
Swap: 19802108k total, 0k used, 19802108k free, 332112k cached
```

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

```
top - 18:21:01 up 1:58, 4 users, load average: 0.00, 0.10, 0.16
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.2%us, 0.0%sy, 0.0%ni, 99.8%id, 0.0%wa, 0.0%hi, 0.0%si,
0.0%st
Mem: 8148056k total, 645600k used, 7502456k free, 108528k buffers
Swap: 19802108k total, 0k used, 19802108k free, 332136k cached
```

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

```
top - 18:21:04 up 1:58, 4 users, load average: 0.00, 0.10, 0.16
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.0%us, 1.1%sy, 0.0%ni, 98.3%id, 0.3%wa, 0.0%hi, 0.3%si,
0.0%st
Mem: 8148056k total, 645600k used, 7502456k free, 108536k buffers
Swap: 19802108k total, 0k used, 19802108k free, 332108k cached
```

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

```
top - 18:21:07 up 1:58, 4 users, load average: 0.00, 0.10, 0.16
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.0%us, 0.0%sy, 0.0%ni, 99.9%id, 0.0%wa, 0.0%hi, 0.1%si,
0.0%st
Mem: 8148056k total, 645600k used, 7502456k free, 108536k buffers
Swap: 19802108k total, 0k used, 19802108k free, 332112k cached
```

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

```
top - 18:21:10 up 1:58, 4 users, load average: 0.00, 0.10, 0.16
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.1%us, 0.0%sy, 0.0%ni, 99.4%id, 0.4%wa, 0.0%hi, 0.2%si,
0.0%st
Mem: 8148056k total, 645568k used, 7502488k free, 108544k buffers
Swap: 19802108k total, 0k used, 19802108k free, 332116k cached
```

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

top - 18:21:13 up 1:58, 4 users, load average: 0.00, 0.10, 0.16
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.0%us, 0.2%sy, 0.0%ni, 99.8%id, 0.0%wa, 0.0%hi, 0.0%si, 0.0%st
Mem: 8148056k total, 645600k used, 7502456k free, 108544k buffers
Swap: 19802108k total, 0k used, 19802108k free, 332116k cached

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

top - 18:21:16 up 1:58, 4 users, load average: 0.00, 0.10, 0.16
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.6%us, 0.3%sy, 0.0%ni, 98.9%id, 0.2%wa, 0.0%hi, 0.1%si, 0.0%st
Mem: 8148056k total, 653040k used, 7495016k free, 108552k buffers
Swap: 19802108k total, 0k used, 19802108k free, 340300k cached

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

top - 18:21:19 up 1:59, 4 users, load average: 0.00, 0.10, 0.16
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.1%us, 0.0%sy, 0.0%ni, 99.9%id, 0.0%wa, 0.0%hi, 0.0%si, 0.0%st
Mem: 8148056k total, 653008k used, 7495048k free, 108552k buffers
Swap: 19802108k total, 0k used, 19802108k free, 340308k cached

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

top - 18:21:22 up 1:59, 4 users, load average: 0.00, 0.10, 0.16
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.0%us, 0.0%sy, 0.0%ni, 99.8%id, 0.2%wa, 0.0%hi, 0.0%si, 0.0%st
Mem: 8148056k total, 653008k used, 7495048k free, 108560k buffers
Swap: 19802108k total, 0k used, 19802108k free, 340300k cached

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

top - 18:21:25 up 1:59, 4 users, load average: 0.00, 0.09, 0.15
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.0%us, 0.2%sy, 0.0%ni, 99.7%id, 0.0%wa, 0.0%hi, 0.2%si, 0.0%st
Mem: 8148056k total, 653040k used, 7495016k free, 108560k buffers
Swap: 19802108k total, 0k used, 19802108k free, 340308k cached

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

top - 18:21:28 up 1:59, 4 users, load average: 0.00, 0.09, 0.15
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.0%us, 0.0%sy, 0.0%ni, 99.7%id, 0.2%wa, 0.0%hi, 0.1%si, 0.0%st

Mem: 8148056k total, 653008k used, 7495048k free, 108568k buffers
Swap: 19802108k total, 0k used, 19802108k free, 340300k cached

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

top - 18:21:31 up 1:59, 4 users, load average: 0.00, 0.09, 0.15
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.0%us, 0.0%sy, 0.0%ni, 99.9%id, 0.0%wa, 0.0%hi, 0.1%si, 0.0%st
Mem: 8148056k total, 653040k used, 7495016k free, 108568k buffers
Swap: 19802108k total, 0k used, 19802108k free, 340308k cached

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

top - 18:21:34 up 1:59, 4 users, load average: 0.00, 0.09, 0.15
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.0%us, 0.0%sy, 0.0%ni, 99.6%id, 0.3%wa, 0.0%hi, 0.1%si, 0.0%st
Mem: 8148056k total, 653040k used, 7495016k free, 108576k buffers
Swap: 19802108k total, 0k used, 19802108k free, 340304k cached

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

top - 18:21:37 up 1:59, 4 users, load average: 0.00, 0.09, 0.15
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.1%us, 0.0%sy, 0.0%ni, 99.8%id, 0.0%wa, 0.0%hi, 0.1%si, 0.0%st
Mem: 8148056k total, 653040k used, 7495016k free, 108576k buffers
Swap: 19802108k total, 0k used, 19802108k free, 340312k cached

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

top - 18:21:40 up 1:59, 4 users, load average: 0.00, 0.09, 0.15
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.0%us, 0.1%sy, 0.0%ni, 99.5%id, 0.3%wa, 0.0%hi, 0.1%si, 0.0%st
Mem: 8148056k total, 653040k used, 7495016k free, 108584k buffers
Swap: 19802108k total, 0k used, 19802108k free, 340304k cached

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

top - 18:21:43 up 1:59, 4 users, load average: 0.00, 0.09, 0.15
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.0%us, 0.0%sy, 0.0%ni, 99.9%id, 0.0%wa, 0.0%hi, 0.1%si, 0.0%st
Mem: 8148056k total, 653040k used, 7495016k free, 108584k buffers
Swap: 19802108k total, 0k used, 19802108k free, 340312k cached

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

top - 18:21:46 up 1:59, 4 users, load average: 0.00, 0.09, 0.15


```

Tasks:   1 total,    0 running,    1 sleeping,    0 stopped,    0 zombie
Cpu(s):  0.0%us,   0.1%sy,   0.0%ni, 99.6%id,   0.3%wa,   0.0%hi,   0.1%si,
0.0%st
Mem:   8148056k total,   653040k used,   7495016k free,   108592k buffers
Swap: 19802108k total,    0k used, 19802108k free,   340304k cached

```

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

```

top - 18:21:49 up 1:59, 4 users, load average: 0.00, 0.09, 0.15
Tasks:   1 total,    0 running,    1 sleeping,    0 stopped,    0 zombie
Cpu(s):  0.0%us,   0.0%sy,   0.0%ni,100.0%id,   0.0%wa,   0.0%hi,   0.0%si,
0.0%st
Mem:   8148056k total,   653040k used,   7495016k free,   108592k buffers
Swap: 19802108k total,    0k used, 19802108k free,   340312k cached

```

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

```

top - 18:21:52 up 1:59, 4 users, load average: 0.00, 0.09, 0.15
Tasks:   1 total,    0 running,    1 sleeping,    0 stopped,    0 zombie
Cpu(s):  0.0%us,   0.1%sy,   0.0%ni, 99.6%id,   0.4%wa,   0.0%hi,   0.0%si,
0.0%st
Mem:   8148056k total,   653164k used,   7494892k free,   108600k buffers
Swap: 19802108k total,    0k used, 19802108k free,   340304k cached

```

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

```

top - 18:21:55 up 1:59, 4 users, load average: 0.00, 0.08, 0.15
Tasks:   1 total,    0 running,    1 sleeping,    0 stopped,    0 zombie
Cpu(s):  0.0%us,   0.0%sy,   0.0%ni, 99.8%id,   0.0%wa,   0.0%hi,   0.2%si,
0.0%st
Mem:   8148056k total,   653132k used,   7494924k free,   108600k buffers
Swap: 19802108k total,    0k used, 19802108k free,   340312k cached

```

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

```

top - 18:21:58 up 1:59, 4 users, load average: 0.00, 0.08, 0.15
Tasks:   1 total,    0 running,    1 sleeping,    0 stopped,    0 zombie
Cpu(s):  0.0%us,   0.1%sy,   0.0%ni, 99.5%id,   0.4%wa,   0.0%hi,   0.1%si,
0.0%st
Mem:   8148056k total,   653164k used,   7494892k free,   108608k buffers
Swap: 19802108k total,    0k used, 19802108k free,   340308k cached

```

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

```

top - 18:22:01 up 1:59, 4 users, load average: 0.00, 0.08, 0.15
Tasks:   1 total,    0 running,    1 sleeping,    0 stopped,    0 zombie
Cpu(s):  0.1%us,   0.0%sy,   0.0%ni, 99.8%id,   0.0%wa,   0.0%hi,   0.2%si,
0.0%st
Mem:   8148056k total,   644948k used,   7503108k free,   108608k buffers
Swap: 19802108k total,    0k used, 19802108k free,   332152k cached

```

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

```

top - 18:22:04 up 1:59, 4 users, load average: 0.00, 0.08, 0.15
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.0%us, 0.0%sy, 0.0%ni, 99.7%id, 0.3%wa, 0.0%hi, 0.0%si, 0.0%st
Mem: 8148056k total, 644980k used, 7503076k free, 108616k buffers
Swap: 19802108k total, 0k used, 19802108k free, 332144k cached

```

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

```

top - 18:22:07 up 1:59, 4 users, load average: 0.00, 0.08, 0.15
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.0%us, 0.0%sy, 0.0%ni, 100.0%id, 0.0%wa, 0.0%hi, 0.0%si, 0.0%st
Mem: 8148056k total, 644948k used, 7503108k free, 108616k buffers
Swap: 19802108k total, 0k used, 19802108k free, 332152k cached

```

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

```

top - 18:22:10 up 1:59, 4 users, load average: 0.00, 0.08, 0.15
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.0%us, 0.1%sy, 0.0%ni, 99.6%id, 0.2%wa, 0.0%hi, 0.2%si, 0.0%st
Mem: 8148056k total, 644980k used, 7503076k free, 108624k buffers
Swap: 19802108k total, 0k used, 19802108k free, 332144k cached

```

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

```

top - 18:22:13 up 1:59, 4 users, load average: 0.00, 0.08, 0.15
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.0%us, 0.0%sy, 0.0%ni, 100.0%id, 0.0%wa, 0.0%hi, 0.0%si, 0.0%st
Mem: 8148056k total, 644980k used, 7503076k free, 108624k buffers
Swap: 19802108k total, 0k used, 19802108k free, 332152k cached

```

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

```

top - 18:22:16 up 1:59, 4 users, load average: 0.00, 0.08, 0.14
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.0%us, 0.1%sy, 0.0%ni, 99.6%id, 0.4%wa, 0.0%hi, 0.0%si, 0.0%st
Mem: 8148056k total, 644980k used, 7503076k free, 108632k buffers
Swap: 19802108k total, 0k used, 19802108k free, 332144k cached

```

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

```

top - 18:22:19 up 2:00, 4 users, load average: 0.00, 0.08, 0.14
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.0%us, 0.0%sy, 0.0%ni, 99.9%id, 0.0%wa, 0.0%hi, 0.1%si, 0.0%st
Mem: 8148056k total, 644980k used, 7503076k free, 108632k buffers
Swap: 19802108k total, 0k used, 19802108k free, 332156k cached

```

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

top - 18:22:22 up 2:00, 4 users, load average: 0.00, 0.08, 0.14
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.0%us, 0.0%sy, 0.0%ni, 99.6%id, 0.3%wa, 0.0%hi, 0.1%si, 0.0%st
Mem: 8148056k total, 644980k used, 7503076k free, 108640k buffers
Swap: 19802108k total, 0k used, 19802108k free, 332148k cached

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

top - 18:22:25 up 2:00, 4 users, load average: 0.00, 0.08, 0.14
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.0%us, 0.0%sy, 0.0%ni, 99.8%id, 0.0%wa, 0.0%hi, 0.2%si, 0.0%st
Mem: 8148056k total, 644980k used, 7503076k free, 108640k buffers
Swap: 19802108k total, 0k used, 19802108k free, 332156k cached

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

top - 18:22:28 up 2:00, 4 users, load average: 0.00, 0.08, 0.14
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.0%us, 0.0%sy, 0.0%ni, 99.7%id, 0.2%wa, 0.0%hi, 0.1%si, 0.0%st
Mem: 8148056k total, 644980k used, 7503076k free, 108648k buffers
Swap: 19802108k total, 0k used, 19802108k free, 332148k cached

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

top - 18:22:31 up 2:00, 4 users, load average: 0.00, 0.07, 0.14
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.0%us, 0.1%sy, 0.0%ni, 99.8%id, 0.0%wa, 0.0%hi, 0.1%si, 0.0%st
Mem: 8148056k total, 644948k used, 7503108k free, 108648k buffers
Swap: 19802108k total, 0k used, 19802108k free, 332156k cached

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

top - 18:22:34 up 2:00, 4 users, load average: 0.00, 0.07, 0.14
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.0%us, 0.1%sy, 0.0%ni, 99.6%id, 0.3%wa, 0.0%hi, 0.0%si, 0.0%st
Mem: 8148056k total, 644980k used, 7503076k free, 108656k buffers
Swap: 19802108k total, 0k used, 19802108k free, 332148k cached

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

top - 18:22:37 up 2:00, 4 users, load average: 0.00, 0.07, 0.14
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie

```
Cpu(s):  0.0%us,  0.0%sy,  0.0%ni,100.0%id,  0.0%wa,  0.0%hi,  0.0%si,
0.0%st
Mem:   8148056k total,    644980k used,   7503076k free,    108656k buffers
Swap: 19802108k total,         0k used, 19802108k free,    332156k cached
```

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

```
top - 18:22:40 up  2:00,  4 users,  load average: 0.00, 0.07, 0.14
Tasks:  1 total,  0 running,  1 sleeping,  0 stopped,  0 zombie
Cpu(s):  0.0%us,  0.0%sy,  0.0%ni, 99.4%id,  0.5%wa,  0.0%hi,  0.1%si,
0.0%st
Mem:   8148056k total,    644980k used,   7503076k free,    108664k buffers
Swap: 19802108k total,         0k used, 19802108k free,    332148k cached
```

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

```
top - 18:22:43 up  2:00,  4 users,  load average: 0.00, 0.07, 0.14
Tasks:  1 total,  0 running,  1 sleeping,  0 stopped,  0 zombie
Cpu(s):  0.1%us,  0.0%sy,  0.0%ni, 99.7%id,  0.0%wa,  0.0%hi,  0.2%si,
0.0%st
Mem:   8148056k total,    644980k used,   7503076k free,    108664k buffers
Swap: 19802108k total,         0k used, 19802108k free,    332160k cached
```

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

```
top - 18:22:46 up  2:00,  4 users,  load average: 0.00, 0.07, 0.14
Tasks:  1 total,  0 running,  1 sleeping,  0 stopped,  0 zombie
Cpu(s):  0.0%us,  0.0%sy,  0.0%ni, 99.5%id,  0.5%wa,  0.0%hi,  0.0%si,
0.0%st
Mem:   8148056k total,    644980k used,   7503076k free,    108672k buffers
Swap: 19802108k total,         0k used, 19802108k free,    332152k cached
```

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

```
top - 18:22:49 up  2:00,  4 users,  load average: 0.00, 0.07, 0.14
Tasks:  1 total,  0 running,  1 sleeping,  0 stopped,  0 zombie
Cpu(s):  0.0%us,  0.0%sy,  0.0%ni, 99.9%id,  0.0%wa,  0.0%hi,  0.1%si,
0.0%st
Mem:   8148056k total,    644980k used,   7503076k free,    108672k buffers
Swap: 19802108k total,         0k used, 19802108k free,    332160k cached
```

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

```
top - 18:22:52 up  2:00,  4 users,  load average: 0.00, 0.07, 0.14
Tasks:  1 total,  0 running,  1 sleeping,  0 stopped,  0 zombie
Cpu(s):  0.1%us,  0.1%sy,  0.0%ni, 99.6%id,  0.2%wa,  0.0%hi,  0.1%si,
0.0%st
Mem:   8148056k total,    644980k used,   7503076k free,    108680k buffers
Swap: 19802108k total,         0k used, 19802108k free,    332152k cached
```

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

```
top - 18:22:55 up 2:00, 4 users, load average: 0.00, 0.07, 0.14
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.0%us, 0.0%sy, 0.0%ni, 99.9%id, 0.0%wa, 0.0%hi, 0.1%si,
0.0%st
Mem: 8148056k total, 644980k used, 7503076k free, 108680k buffers
Swap: 19802108k total, 0k used, 19802108k free, 332160k cached
```

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

```
top - 18:22:58 up 2:00, 4 users, load average: 0.00, 0.07, 0.14
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.0%us, 0.0%sy, 0.0%ni, 99.7%id, 0.2%wa, 0.0%hi, 0.1%si,
0.0%st
Mem: 8148056k total, 644980k used, 7503076k free, 108688k buffers
Swap: 19802108k total, 0k used, 19802108k free, 332152k cached
```

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

```
top - 18:23:01 up 2:00, 4 users, load average: 0.00, 0.07, 0.14
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.1%us, 0.0%sy, 0.0%ni, 99.9%id, 0.0%wa, 0.0%hi, 0.0%si,
0.0%st
Mem: 8148056k total, 644980k used, 7503076k free, 108688k buffers
Swap: 19802108k total, 0k used, 19802108k free, 332160k cached
```

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

```
top - 18:23:04 up 2:00, 4 users, load average: 0.00, 0.07, 0.14
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.4%us, 0.1%sy, 0.0%ni, 98.8%id, 0.3%wa, 0.0%hi, 0.3%si,
0.0%st
Mem: 8148056k total, 644700k used, 7503356k free, 108696k buffers
Swap: 19802108k total, 0k used, 19802108k free, 332152k cached
```

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

```
top - 18:23:07 up 2:00, 4 users, load average: 0.00, 0.07, 0.14
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.0%us, 0.0%sy, 0.0%ni, 99.8%id, 0.0%wa, 0.0%hi, 0.2%si,
0.0%st
Mem: 8148056k total, 644956k used, 7503100k free, 108696k buffers
Swap: 19802108k total, 0k used, 19802108k free, 332164k cached
```

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

```
top - 18:23:10 up 2:00, 4 users, load average: 0.00, 0.07, 0.13
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.1%us, 0.0%sy, 0.0%ni, 99.4%id, 0.3%wa, 0.0%hi, 0.2%si,
0.0%st
Mem: 8148056k total, 644988k used, 7503068k free, 108704k buffers
Swap: 19802108k total, 0k used, 19802108k free, 332156k cached
```

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

top - 18:23:13 up 2:00, 4 users, load average: 0.00, 0.07, 0.13
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.0%us, 0.1%sy, 0.0%ni, 99.8%id, 0.0%wa, 0.0%hi, 0.2%si, 0.0%st
Mem: 8148056k total, 644956k used, 7503100k free, 108704k buffers
Swap: 19802108k total, 0k used, 19802108k free, 332164k cached

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

top - 18:23:16 up 2:00, 4 users, load average: 0.00, 0.07, 0.13
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.0%us, 0.0%sy, 0.0%ni, 99.8%id, 0.2%wa, 0.0%hi, 0.0%si, 0.0%st
Mem: 8148056k total, 644988k used, 7503068k free, 108712k buffers
Swap: 19802108k total, 0k used, 19802108k free, 332156k cached

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

top - 18:23:19 up 2:01, 4 users, load average: 0.00, 0.07, 0.13
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.0%us, 0.0%sy, 0.0%ni, 99.8%id, 0.0%wa, 0.0%hi, 0.2%si, 0.0%st
Mem: 8148056k total, 644988k used, 7503068k free, 108712k buffers
Swap: 19802108k total, 0k used, 19802108k free, 332164k cached

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

top - 18:23:22 up 2:01, 4 users, load average: 0.00, 0.06, 0.13
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.0%us, 0.0%sy, 0.0%ni, 99.6%id, 0.3%wa, 0.0%hi, 0.1%si, 0.0%st
Mem: 8148056k total, 644988k used, 7503068k free, 108720k buffers
Swap: 19802108k total, 0k used, 19802108k free, 332156k cached

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

top - 18:23:25 up 2:01, 4 users, load average: 0.00, 0.06, 0.13
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.0%us, 0.1%sy, 0.0%ni, 99.8%id, 0.0%wa, 0.0%hi, 0.1%si, 0.0%st
Mem: 8148056k total, 644988k used, 7503068k free, 108720k buffers
Swap: 19802108k total, 0k used, 19802108k free, 332164k cached

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

top - 18:23:28 up 2:01, 4 users, load average: 0.00, 0.06, 0.13
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.0%us, 0.0%sy, 0.0%ni, 99.8%id, 0.1%wa, 0.0%hi, 0.1%si, 0.0%st

Mem: 8148056k total, 644956k used, 7503100k free, 108728k buffers
Swap: 19802108k total, 0k used, 19802108k free, 332156k cached

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

top - 18:23:31 up 2:01, 4 users, load average: 0.00, 0.06, 0.13
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.0%us, 0.0%sy, 0.0%ni, 100.0%id, 0.0%wa, 0.0%hi, 0.0%si, 0.0%st
Mem: 8148056k total, 644988k used, 7503068k free, 108728k buffers
Swap: 19802108k total, 0k used, 19802108k free, 332168k cached

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

top - 18:23:34 up 2:01, 4 users, load average: 0.00, 0.06, 0.13
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.0%us, 0.1%sy, 0.0%ni, 99.3%id, 0.4%wa, 0.0%hi, 0.2%si, 0.0%st
Mem: 8148056k total, 645112k used, 7502944k free, 108736k buffers
Swap: 19802108k total, 0k used, 19802108k free, 332160k cached

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

top - 18:23:37 up 2:01, 4 users, load average: 0.00, 0.06, 0.13
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.1%us, 0.0%sy, 0.0%ni, 99.8%id, 0.0%wa, 0.0%hi, 0.1%si, 0.0%st
Mem: 8148056k total, 645112k used, 7502944k free, 108736k buffers
Swap: 19802108k total, 0k used, 19802108k free, 332168k cached

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

top - 18:23:40 up 2:01, 4 users, load average: 0.00, 0.06, 0.13
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.0%us, 0.0%sy, 0.0%ni, 99.4%id, 0.4%wa, 0.0%hi, 0.2%si, 0.0%st
Mem: 8148056k total, 645112k used, 7502944k free, 108744k buffers
Swap: 19802108k total, 0k used, 19802108k free, 332160k cached

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

top - 18:23:43 up 2:01, 4 users, load average: 0.00, 0.06, 0.13
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.0%us, 0.1%sy, 0.0%ni, 99.9%id, 0.0%wa, 0.0%hi, 0.0%si, 0.0%st
Mem: 8148056k total, 645080k used, 7502976k free, 108744k buffers
Swap: 19802108k total, 0k used, 19802108k free, 332168k cached

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

top - 18:23:46 up 2:01, 4 users, load average: 0.00, 0.06, 0.13

Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.0%us, 0.1%sy, 0.0%ni, 99.4%id, 0.4%wa, 0.0%hi, 0.1%si, 0.0%st
Mem: 8148056k total, 645112k used, 7502944k free, 108752k buffers
Swap: 19802108k total, 0k used, 19802108k free, 332160k cached

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

top - 18:23:49 up 2:01, 4 users, load average: 0.00, 0.06, 0.13
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.0%us, 0.1%sy, 0.0%ni, 99.9%id, 0.0%wa, 0.0%hi, 0.0%si, 0.0%st
Mem: 8148056k total, 645112k used, 7502944k free, 108752k buffers
Swap: 19802108k total, 0k used, 19802108k free, 332168k cached

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

top - 18:23:52 up 2:01, 4 users, load average: 0.00, 0.06, 0.13
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.0%us, 0.0%sy, 0.0%ni, 99.6%id, 0.3%wa, 0.0%hi, 0.1%si, 0.0%st
Mem: 8148056k total, 645080k used, 7502976k free, 108760k buffers
Swap: 19802108k total, 0k used, 19802108k free, 332160k cached

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

top - 18:23:55 up 2:01, 4 users, load average: 0.00, 0.06, 0.13
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.0%us, 0.0%sy, 0.0%ni, 99.8%id, 0.0%wa, 0.0%hi, 0.2%si, 0.0%st
Mem: 8148056k total, 645080k used, 7502976k free, 108760k buffers
Swap: 19802108k total, 0k used, 19802108k free, 332172k cached

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

top - 18:23:58 up 2:01, 4 users, load average: 0.00, 0.06, 0.13
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.0%us, 0.0%sy, 0.0%ni, 99.6%id, 0.4%wa, 0.0%hi, 0.0%si, 0.0%st
Mem: 8148056k total, 645112k used, 7502944k free, 108768k buffers
Swap: 19802108k total, 0k used, 19802108k free, 332164k cached

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

top - 18:24:01 up 2:01, 4 users, load average: 0.00, 0.06, 0.13
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.1%us, 0.1%sy, 0.0%ni, 99.8%id, 0.0%wa, 0.0%hi, 0.1%si, 0.0%st
Mem: 8148056k total, 645112k used, 7502944k free, 108768k buffers
Swap: 19802108k total, 0k used, 19802108k free, 332172k cached

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |


```
top - 18:24:04 up 2:01, 4 users, load average: 0.00, 0.06, 0.13
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.0%us, 0.1%sy, 0.0%ni, 99.6%id, 0.3%wa, 0.0%hi, 0.0%si,
0.0%st
Mem: 8148056k total, 645112k used, 7502944k free, 108776k buffers
Swap: 19802108k total, 0k used, 19802108k free, 332164k cached
```

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

```
top - 18:24:07 up 2:01, 4 users, load average: 0.00, 0.06, 0.13
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.0%us, 0.1%sy, 0.0%ni, 99.8%id, 0.0%wa, 0.0%hi, 0.1%si,
0.0%st
Mem: 8148056k total, 645112k used, 7502944k free, 108776k buffers
Swap: 19802108k total, 0k used, 19802108k free, 332172k cached
```

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

```
top - 18:24:10 up 2:01, 4 users, load average: 0.00, 0.05, 0.13
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.0%us, 0.0%sy, 0.0%ni, 99.4%id, 0.4%wa, 0.0%hi, 0.2%si,
0.0%st
Mem: 8148056k total, 645112k used, 7502944k free, 108784k buffers
Swap: 19802108k total, 0k used, 19802108k free, 332164k cached
```

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

```
top - 18:24:13 up 2:01, 4 users, load average: 0.00, 0.05, 0.13
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.0%us, 0.1%sy, 0.0%ni, 99.9%id, 0.0%wa, 0.0%hi, 0.0%si,
0.0%st
Mem: 8148056k total, 645112k used, 7502944k free, 108784k buffers
Swap: 19802108k total, 0k used, 19802108k free, 332172k cached
```

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

```
top - 18:24:16 up 2:01, 4 users, load average: 0.00, 0.05, 0.13
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.0%us, 0.0%sy, 0.0%ni, 99.6%id, 0.4%wa, 0.0%hi, 0.0%si,
0.0%st
Mem: 8148056k total, 645112k used, 7502944k free, 108792k buffers
Swap: 19802108k total, 0k used, 19802108k free, 332168k cached
```

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

```
top - 18:24:19 up 2:02, 4 users, load average: 0.00, 0.05, 0.13
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.0%us, 0.0%sy, 0.0%ni, 100.0%id, 0.0%wa, 0.0%hi, 0.0%si,
0.0%st
Mem: 8148056k total, 645112k used, 7502944k free, 108792k buffers
Swap: 19802108k total, 0k used, 19802108k free, 332176k cached
```

```

PID USER      PR  NI  VIRT  RES  SHR S %CPU %MEM    TIME+  COMMAND
  1 root        20   0  2880 1700 1220 S    0  0.0    0:01.00  init

top - 18:24:22 up  2:02,  4 users,  load average: 0.00, 0.05, 0.13
Tasks:  1 total,   0 running,   1 sleeping,   0 stopped,   0 zombie
Cpu(s):  0.0%us,   0.0%sy,   0.0%ni, 99.7%id,   0.2%wa,   0.0%hi,   0.2%si,
0.0%st
Mem:   8148056k total,   645112k used,   7502944k free,   108800k buffers
Swap: 19802108k total,        0k used, 19802108k free,   332168k cached

PID USER      PR  NI  VIRT  RES  SHR S %CPU %MEM    TIME+  COMMAND
  1 root        20   0  2880 1700 1220 S    0  0.0    0:01.00  init

top - 18:24:25 up  2:02,  4 users,  load average: 0.00, 0.05, 0.13
Tasks:  1 total,   0 running,   1 sleeping,   0 stopped,   0 zombie
Cpu(s):  0.0%us,   0.1%sy,   0.0%ni, 99.8%id,   0.0%wa,   0.0%hi,   0.1%si,
0.0%st
Mem:   8148056k total,   645080k used,   7502976k free,   108800k buffers
Swap: 19802108k total,        0k used, 19802108k free,   332176k cached

PID USER      PR  NI  VIRT  RES  SHR S %CPU %MEM    TIME+  COMMAND
  1 root        20   0  2880 1700 1220 S    0  0.0    0:01.00  init

top - 18:24:28 up  2:02,  4 users,  load average: 0.00, 0.05, 0.13
Tasks:  1 total,   0 running,   1 sleeping,   0 stopped,   0 zombie
Cpu(s):  0.1%us,   0.1%sy,   0.0%ni, 99.7%id,   0.2%wa,   0.0%hi,   0.0%si,
0.0%st
Mem:   8148056k total,   645112k used,   7502944k free,   108808k buffers
Swap: 19802108k total,        0k used, 19802108k free,   332168k cached

PID USER      PR  NI  VIRT  RES  SHR S %CPU %MEM    TIME+  COMMAND
  1 root        20   0  2880 1700 1220 S    0  0.0    0:01.00  init

top - 18:24:31 up  2:02,  4 users,  load average: 0.00, 0.05, 0.13
Tasks:  1 total,   0 running,   1 sleeping,   0 stopped,   0 zombie
Cpu(s):  0.0%us,   0.1%sy,   0.0%ni, 99.9%id,   0.0%wa,   0.0%hi,   0.0%si,
0.0%st
Mem:   8148056k total,   645112k used,   7502944k free,   108808k buffers
Swap: 19802108k total,        0k used, 19802108k free,   332176k cached

PID USER      PR  NI  VIRT  RES  SHR S %CPU %MEM    TIME+  COMMAND
  1 root        20   0  2880 1700 1220 S    0  0.0    0:01.00  init

top - 18:24:34 up  2:02,  4 users,  load average: 0.00, 0.05, 0.13
Tasks:  1 total,   0 running,   1 sleeping,   0 stopped,   0 zombie
Cpu(s):  0.0%us,   0.0%sy,   0.0%ni, 99.7%id,   0.2%wa,   0.0%hi,   0.1%si,
0.0%st
Mem:   8148056k total,   645112k used,   7502944k free,   108816k buffers
Swap: 19802108k total,        0k used, 19802108k free,   332168k cached

PID USER      PR  NI  VIRT  RES  SHR S %CPU %MEM    TIME+  COMMAND
  1 root        20   0  2880 1700 1220 S    0  0.0    0:01.00  init

top - 18:24:37 up  2:02,  4 users,  load average: 0.00, 0.05, 0.13
Tasks:  1 total,   0 running,   1 sleeping,   0 stopped,   0 zombie

```

```
Cpu(s):  0.0%us,  0.1%sy,  0.0%ni, 99.8%id,  0.0%wa,  0.0%hi,  0.1%si,
0.0%st
Mem:   8148056k total,   645112k used,  7502944k free,   108816k buffers
Swap: 19802108k total,         0k used, 19802108k free,   332176k cached
```

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

```
top - 18:24:40 up  2:02,  4 users,  load average: 0.00, 0.05, 0.13
Tasks:  1 total,  0 running,  1 sleeping,  0 stopped,  0 zombie
Cpu(s):  0.0%us,  0.0%sy,  0.0%ni, 99.6%id,  0.2%wa,  0.0%hi,  0.3%si,
0.0%st
Mem:   8148056k total,   645080k used,  7502976k free,   108824k buffers
Swap: 19802108k total,         0k used, 19802108k free,   332172k cached
```

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

```
top - 18:24:43 up  2:02,  4 users,  load average: 0.00, 0.05, 0.13
Tasks:  1 total,  0 running,  1 sleeping,  0 stopped,  0 zombie
Cpu(s):  0.0%us,  0.0%sy,  0.0%ni,100.0%id,  0.0%wa,  0.0%hi,  0.0%si,
0.0%st
Mem:   8148056k total,   645112k used,  7502944k free,   108824k buffers
Swap: 19802108k total,         0k used, 19802108k free,   332180k cached
```

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

```
top - 18:24:46 up  2:02,  4 users,  load average: 0.00, 0.05, 0.13
Tasks:  1 total,  0 running,  1 sleeping,  0 stopped,  0 zombie
Cpu(s):  0.0%us,  0.0%sy,  0.0%ni, 99.5%id,  0.4%wa,  0.0%hi,  0.1%si,
0.0%st
Mem:   8148056k total,   645112k used,  7502944k free,   108832k buffers
Swap: 19802108k total,         0k used, 19802108k free,   332172k cached
```

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

```
top - 18:24:49 up  2:02,  4 users,  load average: 0.00, 0.05, 0.13
Tasks:  1 total,  0 running,  1 sleeping,  0 stopped,  0 zombie
Cpu(s):  0.0%us,  0.2%sy,  0.0%ni, 99.8%id,  0.0%wa,  0.0%hi,  0.1%si,
0.0%st
Mem:   8148056k total,   645048k used,  7503008k free,   108832k buffers
Swap: 19802108k total,         0k used, 19802108k free,   332180k cached
```

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

```
top - 18:24:52 up  2:02,  4 users,  load average: 0.00, 0.05, 0.12
Tasks:  1 total,  0 running,  1 sleeping,  0 stopped,  0 zombie
Cpu(s):  0.0%us,  0.0%sy,  0.0%ni, 99.3%id,  0.4%wa,  0.0%hi,  0.3%si,
0.0%st
Mem:   8148056k total,   645112k used,  7502944k free,   108840k buffers
Swap: 19802108k total,         0k used, 19802108k free,   332172k cached
```

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

```
top - 18:24:55 up 2:02, 4 users, load average: 0.00, 0.05, 0.12
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.0%us, 0.0%sy, 0.0%ni, 99.8%id, 0.0%wa, 0.0%hi, 0.2%si,
0.0%st
Mem: 8148056k total, 645112k used, 7502944k free, 108840k buffers
Swap: 19802108k total, 0k used, 19802108k free, 332180k cached
```

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

```
top - 18:24:58 up 2:02, 4 users, load average: 0.00, 0.05, 0.12
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.0%us, 0.0%sy, 0.0%ni, 99.7%id, 0.3%wa, 0.0%hi, 0.0%si,
0.0%st
Mem: 8148056k total, 645112k used, 7502944k free, 108848k buffers
Swap: 19802108k total, 0k used, 19802108k free, 332172k cached
```

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

```
top - 18:25:01 up 2:02, 4 users, load average: 0.00, 0.04, 0.12
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.1%us, 0.0%sy, 0.0%ni, 99.8%id, 0.0%wa, 0.0%hi, 0.1%si,
0.0%st
Mem: 8148056k total, 645236k used, 7502820k free, 108848k buffers
Swap: 19802108k total, 0k used, 19802108k free, 332180k cached
```

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

```
top - 18:25:04 up 2:02, 4 users, load average: 0.00, 0.04, 0.12
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.0%us, 0.0%sy, 0.0%ni, 99.6%id, 0.3%wa, 0.0%hi, 0.1%si,
0.0%st
Mem: 8148056k total, 645236k used, 7502820k free, 108856k buffers
Swap: 19802108k total, 0k used, 19802108k free, 332176k cached
```

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

```
top - 18:25:07 up 2:02, 4 users, load average: 0.00, 0.04, 0.12
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.1%us, 0.1%sy, 0.0%ni, 99.7%id, 0.0%wa, 0.0%hi, 0.2%si,
0.0%st
Mem: 8148056k total, 645236k used, 7502820k free, 108856k buffers
Swap: 19802108k total, 0k used, 19802108k free, 332184k cached
```

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

```
top - 18:25:10 up 2:02, 4 users, load average: 0.00, 0.04, 0.12
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.0%us, 0.1%sy, 0.0%ni, 99.5%id, 0.3%wa, 0.0%hi, 0.2%si,
0.0%st
Mem: 8148056k total, 645236k used, 7502820k free, 108864k buffers
Swap: 19802108k total, 0k used, 19802108k free, 332176k cached
```

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

top - 18:25:13 up 2:02, 4 users, load average: 0.00, 0.04, 0.12
 Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
 Cpu(s): 0.0%us, 0.0%sy, 0.0%ni, 99.9%id, 0.0%wa, 0.0%hi, 0.1%si, 0.0%st
 Mem: 8148056k total, 645236k used, 7502820k free, 108864k buffers
 Swap: 19802108k total, 0k used, 19802108k free, 332184k cached

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

top - 18:25:16 up 2:02, 4 users, load average: 0.00, 0.04, 0.12
 Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
 Cpu(s): 0.0%us, 0.1%sy, 0.0%ni, 99.6%id, 0.2%wa, 0.0%hi, 0.2%si, 0.0%st
 Mem: 8148056k total, 645328k used, 7502728k free, 108872k buffers
 Swap: 19802108k total, 0k used, 19802108k free, 332176k cached

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

top - 18:25:19 up 2:03, 4 users, load average: 0.00, 0.04, 0.12
 Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
 Cpu(s): 0.0%us, 0.0%sy, 0.0%ni, 99.9%id, 0.0%wa, 0.0%hi, 0.1%si, 0.0%st
 Mem: 8148056k total, 645360k used, 7502696k free, 108872k buffers
 Swap: 19802108k total, 0k used, 19802108k free, 332184k cached

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

top - 18:25:22 up 2:03, 4 users, load average: 0.00, 0.04, 0.12
 Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
 Cpu(s): 0.0%us, 0.0%sy, 0.0%ni, 99.5%id, 0.4%wa, 0.0%hi, 0.1%si, 0.0%st
 Mem: 8148056k total, 645360k used, 7502696k free, 108880k buffers
 Swap: 19802108k total, 0k used, 19802108k free, 332176k cached

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

top - 18:25:25 up 2:03, 4 users, load average: 0.00, 0.04, 0.12
 Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
 Cpu(s): 0.0%us, 0.1%sy, 0.0%ni, 99.7%id, 0.0%wa, 0.0%hi, 0.2%si, 0.0%st
 Mem: 8148056k total, 645360k used, 7502696k free, 108880k buffers
 Swap: 19802108k total, 0k used, 19802108k free, 332184k cached

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

top - 18:25:28 up 2:03, 4 users, load average: 0.00, 0.04, 0.12
 Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
 Cpu(s): 0.0%us, 0.0%sy, 0.0%ni, 99.6%id, 0.4%wa, 0.0%hi, 0.0%si, 0.0%st

Mem: 8148056k total, 645360k used, 7502696k free, 108888k buffers
Swap: 19802108k total, 0k used, 19802108k free, 332180k cached

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

top - 18:25:31 up 2:03, 4 users, load average: 0.00, 0.04, 0.12
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.0%us, 0.0%sy, 0.0%ni, 99.9%id, 0.0%wa, 0.0%hi, 0.1%si, 0.0%st
Mem: 8148056k total, 645360k used, 7502696k free, 108888k buffers
Swap: 19802108k total, 0k used, 19802108k free, 332188k cached

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

top - 18:25:34 up 2:03, 4 users, load average: 0.00, 0.04, 0.12
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.0%us, 0.0%sy, 0.0%ni, 99.8%id, 0.2%wa, 0.0%hi, 0.0%si, 0.0%st
Mem: 8148056k total, 645360k used, 7502696k free, 108896k buffers
Swap: 19802108k total, 0k used, 19802108k free, 332180k cached

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

top - 18:25:37 up 2:03, 4 users, load average: 0.00, 0.04, 0.12
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.0%us, 0.0%sy, 0.0%ni, 99.9%id, 0.0%wa, 0.0%hi, 0.1%si, 0.0%st
Mem: 8148056k total, 645328k used, 7502728k free, 108896k buffers
Swap: 19802108k total, 0k used, 19802108k free, 332188k cached

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

top - 18:25:40 up 2:03, 4 users, load average: 0.00, 0.04, 0.12
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.0%us, 0.1%sy, 0.0%ni, 99.7%id, 0.2%wa, 0.0%hi, 0.1%si, 0.0%st
Mem: 8148056k total, 645360k used, 7502696k free, 108904k buffers
Swap: 19802108k total, 0k used, 19802108k free, 332180k cached

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

top - 18:25:43 up 2:03, 4 users, load average: 0.00, 0.04, 0.12
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.1%us, 0.0%sy, 0.0%ni, 99.9%id, 0.0%wa, 0.0%hi, 0.0%si, 0.0%st
Mem: 8148056k total, 645360k used, 7502696k free, 108904k buffers
Swap: 19802108k total, 0k used, 19802108k free, 332188k cached

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

top - 18:25:46 up 2:03, 4 users, load average: 0.00, 0.04, 0.12

```

Tasks:   1 total,    0 running,    1 sleeping,    0 stopped,    0 zombie
Cpu(s):  0.0%us,   0.1%sy,   0.0%ni, 99.7%id,   0.3%wa,   0.0%hi,   0.0%si,
0.0%st
Mem:    8148056k total,    645360k used,    7502696k free,    108912k buffers
Swap: 19802108k total,         0k used, 19802108k free,    332180k cached

```

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

```

top - 18:25:49 up  2:03,   4 users,   load average: 0.00, 0.04, 0.12
Tasks:   1 total,    0 running,    1 sleeping,    0 stopped,    0 zombie
Cpu(s):  0.0%us,   0.0%sy,   0.0%ni,100.0%id,   0.0%wa,   0.0%hi,   0.0%si,
0.0%st
Mem:    8148056k total,    645360k used,    7502696k free,    108912k buffers
Swap: 19802108k total,         0k used, 19802108k free,    332188k cached

```

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

```

top - 18:25:52 up  2:03,   4 users,   load average: 0.00, 0.04, 0.12
Tasks:   1 total,    0 running,    1 sleeping,    0 stopped,    0 zombie
Cpu(s):  0.0%us,   0.0%sy,   0.0%ni, 99.6%id,   0.3%wa,   0.0%hi,   0.1%si,
0.0%st
Mem:    8148056k total,    645328k used,    7502728k free,    108920k buffers
Swap: 19802108k total,         0k used, 19802108k free,    332184k cached

```

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

```

top - 18:25:55 up  2:03,   4 users,   load average: 0.00, 0.04, 0.12
Tasks:   1 total,    0 running,    1 sleeping,    0 stopped,    0 zombie
Cpu(s):  0.0%us,   0.0%sy,   0.0%ni, 99.9%id,   0.0%wa,   0.0%hi,   0.1%si,
0.0%st
Mem:    8148056k total,    645360k used,    7502696k free,    108920k buffers
Swap: 19802108k total,         0k used, 19802108k free,    332192k cached

```

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

```

top - 18:25:58 up  2:03,   4 users,   load average: 0.00, 0.04, 0.12
Tasks:   1 total,    0 running,    1 sleeping,    0 stopped,    0 zombie
Cpu(s):  0.0%us,   0.1%sy,   0.0%ni, 99.6%id,   0.2%wa,   0.0%hi,   0.1%si,
0.0%st
Mem:    8148056k total,    645328k used,    7502728k free,    108928k buffers
Swap: 19802108k total,         0k used, 19802108k free,    332184k cached

```

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

```

top - 18:26:01 up  2:03,   4 users,   load average: 0.00, 0.04, 0.12
Tasks:   1 total,    0 running,    1 sleeping,    0 stopped,    0 zombie
Cpu(s):  0.1%us,   0.1%sy,   0.0%ni, 99.7%id,   0.0%wa,   0.0%hi,   0.2%si,
0.0%st
Mem:    8148056k total,    645360k used,    7502696k free,    108928k buffers
Swap: 19802108k total,         0k used, 19802108k free,    332192k cached

```

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

```
top - 18:26:04 up 2:03, 4 users, load average: 0.00, 0.04, 0.12
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.0%us, 0.0%sy, 0.0%ni, 99.9%id, 0.1%wa, 0.0%hi, 0.0%si, 0.0%st
Mem: 8148056k total, 645360k used, 7502696k free, 108936k buffers
Swap: 19802108k total, 0k used, 19802108k free, 332184k cached
```

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

```
top - 18:26:07 up 2:03, 4 users, load average: 0.00, 0.04, 0.12
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.0%us, 0.0%sy, 0.0%ni, 99.8%id, 0.0%wa, 0.0%hi, 0.2%si, 0.0%st
Mem: 8148056k total, 645328k used, 7502728k free, 108936k buffers
Swap: 19802108k total, 0k used, 19802108k free, 332192k cached
```

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

```
top - 18:26:10 up 2:03, 4 users, load average: 0.00, 0.04, 0.12
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.0%us, 0.0%sy, 0.0%ni, 99.7%id, 0.2%wa, 0.0%hi, 0.1%si, 0.0%st
Mem: 8148056k total, 645360k used, 7502696k free, 108944k buffers
Swap: 19802108k total, 0k used, 19802108k free, 332184k cached
```

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

```
top - 18:26:13 up 2:03, 4 users, load average: 0.00, 0.04, 0.12
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.0%us, 0.0%sy, 0.0%ni, 100.0%id, 0.0%wa, 0.0%hi, 0.0%si, 0.0%st
Mem: 8148056k total, 645360k used, 7502696k free, 108944k buffers
Swap: 19802108k total, 0k used, 19802108k free, 332196k cached
```

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

```
top - 18:26:16 up 2:03, 4 users, load average: 0.00, 0.04, 0.12
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.0%us, 0.0%sy, 0.0%ni, 99.8%id, 0.2%wa, 0.0%hi, 0.0%si, 0.0%st
Mem: 8148056k total, 645360k used, 7502696k free, 108952k buffers
Swap: 19802108k total, 0k used, 19802108k free, 332188k cached
```

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

```
top - 18:26:19 up 2:04, 4 users, load average: 0.00, 0.04, 0.12
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.0%us, 0.0%sy, 0.0%ni, 99.9%id, 0.0%wa, 0.0%hi, 0.1%si, 0.0%st
Mem: 8148056k total, 645360k used, 7502696k free, 108952k buffers
Swap: 19802108k total, 0k used, 19802108k free, 332196k cached
```


| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

top - 18:26:22 up 2:04, 4 users, load average: 0.00, 0.04, 0.12
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.0%us, 0.0%sy, 0.0%ni, 99.5%id, 0.4%wa, 0.0%hi, 0.1%si, 0.0%st
Mem: 8148056k total, 645360k used, 7502696k free, 108960k buffers
Swap: 19802108k total, 0k used, 19802108k free, 332188k cached

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

top - 18:26:25 up 2:04, 4 users, load average: 0.00, 0.04, 0.12
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.0%us, 0.1%sy, 0.0%ni, 99.7%id, 0.0%wa, 0.0%hi, 0.2%si, 0.0%st
Mem: 8148056k total, 645328k used, 7502728k free, 108960k buffers
Swap: 19802108k total, 0k used, 19802108k free, 332196k cached

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

top - 18:26:28 up 2:04, 4 users, load average: 0.00, 0.04, 0.12
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.0%us, 0.0%sy, 0.0%ni, 99.6%id, 0.4%wa, 0.0%hi, 0.0%si, 0.0%st
Mem: 8148056k total, 645360k used, 7502696k free, 108968k buffers
Swap: 19802108k total, 0k used, 19802108k free, 332188k cached

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

top - 18:26:31 up 2:04, 4 users, load average: 0.00, 0.04, 0.12
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.0%us, 0.1%sy, 0.0%ni, 99.8%id, 0.0%wa, 0.0%hi, 0.1%si, 0.0%st
Mem: 8148056k total, 645360k used, 7502696k free, 108968k buffers
Swap: 19802108k total, 0k used, 19802108k free, 332196k cached

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

top - 18:26:34 up 2:04, 4 users, load average: 0.00, 0.04, 0.12
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.0%us, 0.0%sy, 0.0%ni, 99.5%id, 0.4%wa, 0.0%hi, 0.1%si, 0.0%st
Mem: 8148056k total, 645360k used, 7502696k free, 108976k buffers
Swap: 19802108k total, 0k used, 19802108k free, 332188k cached

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

top - 18:26:37 up 2:04, 4 users, load average: 0.00, 0.04, 0.11
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie

Cpu(s): 0.0%us, 0.0%sy, 0.0%ni, 99.9%id, 0.0%wa, 0.0%hi, 0.1%si, 0.0%st
Mem: 8148056k total, 645360k used, 7502696k free, 108976k buffers
Swap: 19802108k total, 0k used, 19802108k free, 332200k cached

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

top - 18:26:40 up 2:04, 4 users, load average: 0.08, 0.05, 0.12
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.1%us, 0.0%sy, 0.0%ni, 99.3%id, 0.4%wa, 0.0%hi, 0.2%si, 0.0%st
Mem: 8148056k total, 645360k used, 7502696k free, 108984k buffers
Swap: 19802108k total, 0k used, 19802108k free, 332192k cached

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

top - 18:26:43 up 2:04, 4 users, load average: 0.08, 0.05, 0.12
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.0%us, 0.1%sy, 0.0%ni, 99.9%id, 0.0%wa, 0.0%hi, 0.0%si, 0.0%st
Mem: 8148056k total, 645360k used, 7502696k free, 108984k buffers
Swap: 19802108k total, 0k used, 19802108k free, 332200k cached

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

top - 18:26:46 up 2:04, 4 users, load average: 0.08, 0.05, 0.12
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.0%us, 0.0%sy, 0.0%ni, 99.8%id, 0.2%wa, 0.0%hi, 0.0%si, 0.0%st
Mem: 8148056k total, 645484k used, 7502572k free, 108992k buffers
Swap: 19802108k total, 0k used, 19802108k free, 332192k cached

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

top - 18:26:49 up 2:04, 4 users, load average: 0.08, 0.05, 0.12
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.1%us, 0.0%sy, 0.0%ni, 99.9%id, 0.0%wa, 0.0%hi, 0.0%si, 0.0%st
Mem: 8148056k total, 645484k used, 7502572k free, 108992k buffers
Swap: 19802108k total, 0k used, 19802108k free, 332200k cached

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

top - 18:26:52 up 2:04, 4 users, load average: 0.07, 0.05, 0.12
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.0%us, 0.0%sy, 0.0%ni, 99.6%id, 0.2%wa, 0.0%hi, 0.2%si, 0.0%st
Mem: 8148056k total, 645452k used, 7502604k free, 109000k buffers
Swap: 19802108k total, 0k used, 19802108k free, 332192k cached

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

```
top - 18:26:55 up 2:04, 4 users, load average: 0.06, 0.05, 0.12
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.0%us, 0.1%sy, 0.0%ni, 99.8%id, 0.0%wa, 0.0%hi, 0.2%si,
0.0%st
Mem: 8148056k total, 645484k used, 7502572k free, 109000k buffers
Swap: 19802108k total, 0k used, 19802108k free, 332200k cached
```

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

```
top - 18:26:58 up 2:04, 4 users, load average: 0.06, 0.05, 0.12
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.0%us, 0.0%sy, 0.0%ni, 99.6%id, 0.2%wa, 0.0%hi, 0.2%si,
0.0%st
Mem: 8148056k total, 645484k used, 7502572k free, 109008k buffers
Swap: 19802108k total, 0k used, 19802108k free, 332192k cached
```

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

```
top - 18:27:01 up 2:04, 4 users, load average: 0.06, 0.05, 0.12
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.1%us, 0.0%sy, 0.0%ni, 99.9%id, 0.0%wa, 0.0%hi, 0.0%si,
0.0%st
Mem: 8148056k total, 645484k used, 7502572k free, 109008k buffers
Swap: 19802108k total, 0k used, 19802108k free, 332204k cached
```

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

```
top - 18:27:04 up 2:04, 4 users, load average: 0.06, 0.05, 0.12
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.0%us, 0.0%sy, 0.0%ni, 99.5%id, 0.4%wa, 0.0%hi, 0.1%si,
0.0%st
Mem: 8148056k total, 645484k used, 7502572k free, 109016k buffers
Swap: 19802108k total, 0k used, 19802108k free, 332196k cached
```

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

```
top - 18:27:07 up 2:04, 4 users, load average: 0.05, 0.05, 0.12
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.0%us, 0.0%sy, 0.0%ni, 100.0%id, 0.0%wa, 0.0%hi, 0.0%si,
0.0%st
Mem: 8148056k total, 645452k used, 7502604k free, 109016k buffers
Swap: 19802108k total, 0k used, 19802108k free, 332204k cached
```

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

```
top - 18:27:10 up 2:04, 4 users, load average: 0.05, 0.05, 0.12
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.1%us, 0.0%sy, 0.0%ni, 99.7%id, 0.1%wa, 0.0%hi, 0.2%si,
0.0%st
Mem: 8148056k total, 645484k used, 7502572k free, 109024k buffers
Swap: 19802108k total, 0k used, 19802108k free, 332196k cached
```

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

top - 18:27:13 up 2:04, 4 users, load average: 0.05, 0.05, 0.12
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.0%us, 0.1%sy, 0.0%ni, 99.8%id, 0.0%wa, 0.0%hi, 0.1%si, 0.0%st
Mem: 8148056k total, 645484k used, 7502572k free, 109024k buffers
Swap: 19802108k total, 0k used, 19802108k free, 332204k cached

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

top - 18:27:16 up 2:04, 4 users, load average: 0.05, 0.04, 0.12
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.0%us, 0.0%sy, 0.0%ni, 99.7%id, 0.2%wa, 0.0%hi, 0.1%si, 0.0%st
Mem: 8148056k total, 645484k used, 7502572k free, 109032k buffers
Swap: 19802108k total, 0k used, 19802108k free, 332196k cached

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

top - 18:27:19 up 2:05, 4 users, load average: 0.05, 0.04, 0.12
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.0%us, 0.0%sy, 0.0%ni, 99.8%id, 0.0%wa, 0.0%hi, 0.2%si, 0.0%st
Mem: 8148056k total, 645484k used, 7502572k free, 109032k buffers
Swap: 19802108k total, 0k used, 19802108k free, 332204k cached

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

top - 18:27:22 up 2:05, 4 users, load average: 0.04, 0.04, 0.12
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.0%us, 0.1%sy, 0.0%ni, 99.7%id, 0.2%wa, 0.0%hi, 0.1%si, 0.0%st
Mem: 8148056k total, 645452k used, 7502604k free, 109040k buffers
Swap: 19802108k total, 0k used, 19802108k free, 332196k cached

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

top - 18:27:25 up 2:05, 4 users, load average: 0.04, 0.04, 0.12
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.1%us, 0.0%sy, 0.0%ni, 99.8%id, 0.0%wa, 0.0%hi, 0.1%si, 0.0%st
Mem: 8148056k total, 645452k used, 7502604k free, 109040k buffers
Swap: 19802108k total, 0k used, 19802108k free, 332208k cached

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

top - 18:27:28 up 2:05, 4 users, load average: 0.04, 0.04, 0.12
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.0%us, 0.0%sy, 0.0%ni, 99.3%id, 0.6%wa, 0.0%hi, 0.1%si, 0.0%st

Mem: 8148056k total, 645484k used, 7502572k free, 109048k buffers
Swap: 19802108k total, 0k used, 19802108k free, 332200k cached

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

top - 18:27:31 up 2:05, 4 users, load average: 0.04, 0.04, 0.11
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.0%us, 0.0%sy, 0.0%ni, 100.0%id, 0.0%wa, 0.0%hi, 0.0%si, 0.0%st
Mem: 8148056k total, 645452k used, 7502604k free, 109048k buffers
Swap: 19802108k total, 0k used, 19802108k free, 332208k cached

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

top - 18:27:34 up 2:05, 4 users, load average: 0.04, 0.04, 0.11
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.0%us, 0.0%sy, 0.0%ni, 99.7%id, 0.3%wa, 0.0%hi, 0.0%si, 0.0%st
Mem: 8148056k total, 645484k used, 7502572k free, 109056k buffers
Swap: 19802108k total, 0k used, 19802108k free, 332200k cached

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

top - 18:27:37 up 2:05, 4 users, load average: 0.03, 0.04, 0.11
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.0%us, 0.1%sy, 0.0%ni, 99.9%id, 0.0%wa, 0.0%hi, 0.0%si, 0.0%st
Mem: 8148056k total, 645484k used, 7502572k free, 109056k buffers
Swap: 19802108k total, 0k used, 19802108k free, 332208k cached

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

top - 18:27:40 up 2:05, 4 users, load average: 0.03, 0.04, 0.11
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.0%us, 0.0%sy, 0.0%ni, 99.5%id, 0.3%wa, 0.0%hi, 0.2%si, 0.0%st
Mem: 8148056k total, 645484k used, 7502572k free, 109064k buffers
Swap: 19802108k total, 0k used, 19802108k free, 332200k cached

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

top - 18:27:43 up 2:05, 4 users, load average: 0.03, 0.04, 0.11
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.0%us, 0.0%sy, 0.0%ni, 99.9%id, 0.0%wa, 0.0%hi, 0.1%si, 0.0%st
Mem: 8148056k total, 645484k used, 7502572k free, 109064k buffers
Swap: 19802108k total, 0k used, 19802108k free, 332208k cached

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

top - 18:27:46 up 2:05, 4 users, load average: 0.03, 0.04, 0.11

```

Tasks:   1 total,    0 running,    1 sleeping,    0 stopped,    0 zombie
Cpu(s):  0.0%us,   0.0%sy,   0.0%ni, 99.5%id,   0.4%wa,   0.0%hi,   0.1%si,
0.0%st
Mem:    8148056k total,    645484k used,    7502572k free,    109072k buffers
Swap: 19802108k total,         0k used, 19802108k free,    332208k cached

```

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

```

top - 18:27:49 up  2:05,   4 users,   load average: 0.03, 0.04, 0.11
Tasks:   1 total,    0 running,    1 sleeping,    0 stopped,    0 zombie
Cpu(s):  0.0%us,   0.0%sy,   0.0%ni,100.0%id,   0.0%wa,   0.0%hi,   0.0%si,
0.0%st
Mem:    8148056k total,    645484k used,    7502572k free,    109072k buffers
Swap: 19802108k total,         0k used, 19802108k free,    332212k cached

```

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

```

top - 18:27:52 up  2:05,   4 users,   load average: 0.03, 0.04, 0.11
Tasks:   1 total,    0 running,    1 sleeping,    0 stopped,    0 zombie
Cpu(s):  0.0%us,   0.1%sy,   0.0%ni, 99.8%id,   0.0%wa,   0.0%hi,   0.2%si,
0.0%st
Mem:    8148056k total,    645484k used,    7502572k free,    109080k buffers
Swap: 19802108k total,         0k used, 19802108k free,    332204k cached

```

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

```

top - 18:27:55 up  2:05,   4 users,   load average: 0.02, 0.04, 0.11
Tasks:   1 total,    0 running,    1 sleeping,    0 stopped,    0 zombie
Cpu(s):  0.0%us,   0.1%sy,   0.0%ni, 99.4%id,   0.3%wa,   0.0%hi,   0.2%si,
0.0%st
Mem:    8148056k total,    645484k used,    7502572k free,    109080k buffers
Swap: 19802108k total,         0k used, 19802108k free,    332212k cached

```

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

```

top - 18:27:58 up  2:05,   4 users,   load average: 0.02, 0.04, 0.11
Tasks:   1 total,    0 running,    1 sleeping,    0 stopped,    0 zombie
Cpu(s):  0.0%us,   0.0%sy,   0.0%ni, 99.5%id,   0.4%wa,   0.0%hi,   0.1%si,
0.0%st
Mem:    8148056k total,    645420k used,    7502636k free,    109088k buffers
Swap: 19802108k total,         0k used, 19802108k free,    332204k cached

```

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

```

top - 18:28:01 up  2:05,   4 users,   load average: 0.02, 0.04, 0.11
Tasks:   1 total,    0 running,    1 sleeping,    0 stopped,    0 zombie
Cpu(s):  0.1%us,   0.1%sy,   0.0%ni, 99.8%id,   0.0%wa,   0.0%hi,   0.0%si,
0.0%st
Mem:    8148056k total,    645484k used,    7502572k free,    109088k buffers
Swap: 19802108k total,         0k used, 19802108k free,    332212k cached

```

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

```

top - 18:28:04 up 2:05, 4 users, load average: 0.02, 0.04, 0.11
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.1%us, 0.0%sy, 0.0%ni, 99.8%id, 0.0%wa, 0.0%hi, 0.1%si,
0.0%st
Mem: 8148056k total, 645484k used, 7502572k free, 109096k buffers
Swap: 19802108k total, 0k used, 19802108k free, 332204k cached

```

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

```

top - 18:28:07 up 2:05, 4 users, load average: 0.02, 0.04, 0.11
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.0%us, 0.1%sy, 0.0%ni, 99.5%id, 0.3%wa, 0.0%hi, 0.1%si,
0.0%st
Mem: 8148056k total, 645484k used, 7502572k free, 109096k buffers
Swap: 19802108k total, 0k used, 19802108k free, 332212k cached

```

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

```

top - 18:28:10 up 2:05, 4 users, load average: 0.02, 0.04, 0.11
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.0%us, 0.0%sy, 0.0%ni, 99.8%id, 0.0%wa, 0.0%hi, 0.2%si,
0.0%st
Mem: 8148056k total, 645484k used, 7502572k free, 109104k buffers
Swap: 19802108k total, 0k used, 19802108k free, 332208k cached

```

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

```

top - 18:28:13 up 2:05, 4 users, load average: 0.02, 0.04, 0.11
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.0%us, 0.0%sy, 0.0%ni, 99.7%id, 0.3%wa, 0.0%hi, 0.0%si,
0.0%st
Mem: 8148056k total, 645484k used, 7502572k free, 109104k buffers
Swap: 19802108k total, 0k used, 19802108k free, 332216k cached

```

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

```

top - 18:28:16 up 2:05, 4 users, load average: 0.02, 0.04, 0.11
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.0%us, 0.0%sy, 0.0%ni, 99.8%id, 0.2%wa, 0.0%hi, 0.0%si,
0.0%st
Mem: 8148056k total, 645484k used, 7502572k free, 109112k buffers
Swap: 19802108k total, 0k used, 19802108k free, 332208k cached

```

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

```

top - 18:28:19 up 2:06, 4 users, load average: 0.02, 0.04, 0.11
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.0%us, 0.1%sy, 0.0%ni, 99.7%id, 0.0%wa, 0.0%hi, 0.2%si,
0.0%st
Mem: 8148056k total, 645452k used, 7502604k free, 109112k buffers
Swap: 19802108k total, 0k used, 19802108k free, 332216k cached

```

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

top - 18:28:22 up 2:06, 4 users, load average: 0.02, 0.04, 0.11
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.0%us, 0.0%sy, 0.0%ni, 99.8%id, 0.2%wa, 0.0%hi, 0.1%si, 0.0%st
Mem: 8148056k total, 645608k used, 7502448k free, 109120k buffers
Swap: 19802108k total, 0k used, 19802108k free, 332208k cached

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

top - 18:28:25 up 2:06, 4 users, load average: 0.01, 0.04, 0.11
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.1%us, 0.1%sy, 0.0%ni, 99.7%id, 0.0%wa, 0.0%hi, 0.2%si, 0.0%st
Mem: 8148056k total, 645608k used, 7502448k free, 109120k buffers
Swap: 19802108k total, 0k used, 19802108k free, 332216k cached

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

top - 18:28:28 up 2:06, 4 users, load average: 0.01, 0.04, 0.11
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.0%us, 0.0%sy, 0.0%ni, 99.7%id, 0.3%wa, 0.0%hi, 0.0%si, 0.0%st
Mem: 8148056k total, 645608k used, 7502448k free, 109128k buffers
Swap: 19802108k total, 0k used, 19802108k free, 332216k cached

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

top - 18:28:31 up 2:06, 4 users, load average: 0.01, 0.04, 0.11
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.0%us, 0.0%sy, 0.0%ni, 100.0%id, 0.0%wa, 0.0%hi, 0.0%si, 0.0%st
Mem: 8148056k total, 645484k used, 7502572k free, 109128k buffers
Swap: 19802108k total, 0k used, 19802108k free, 332216k cached

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

top - 18:28:34 up 2:06, 4 users, load average: 0.01, 0.04, 0.11
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.0%us, 0.0%sy, 0.0%ni, 99.7%id, 0.3%wa, 0.0%hi, 0.0%si, 0.0%st
Mem: 8148056k total, 645484k used, 7502572k free, 109136k buffers
Swap: 19802108k total, 0k used, 19802108k free, 332212k cached

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

top - 18:28:37 up 2:06, 4 users, load average: 0.01, 0.04, 0.11
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie

Cpu(s): 0.0%us, 0.0%sy, 0.0%ni, 99.8%id, 0.0%wa, 0.0%hi, 0.2%si, 0.0%st
Mem: 8148056k total, 645484k used, 7502572k free, 109136k buffers
Swap: 19802108k total, 0k used, 19802108k free, 332220k cached

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

top - 18:28:40 up 2:06, 4 users, load average: 0.01, 0.04, 0.11
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.0%us, 0.0%sy, 0.0%ni, 99.7%id, 0.2%wa, 0.0%hi, 0.1%si, 0.0%st
Mem: 8148056k total, 645452k used, 7502604k free, 109144k buffers
Swap: 19802108k total, 0k used, 19802108k free, 332212k cached

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

top - 18:28:43 up 2:06, 4 users, load average: 0.01, 0.04, 0.11
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.0%us, 0.0%sy, 0.0%ni, 99.9%id, 0.0%wa, 0.0%hi, 0.1%si, 0.0%st
Mem: 8148056k total, 645484k used, 7502572k free, 109144k buffers
Swap: 19802108k total, 0k used, 19802108k free, 332220k cached

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

top - 18:28:46 up 2:06, 4 users, load average: 0.01, 0.04, 0.11
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.0%us, 0.0%sy, 0.0%ni, 99.9%id, 0.1%wa, 0.0%hi, 0.0%si, 0.0%st
Mem: 8148056k total, 645484k used, 7502572k free, 109152k buffers
Swap: 19802108k total, 0k used, 19802108k free, 332212k cached

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

top - 18:28:49 up 2:06, 4 users, load average: 0.01, 0.04, 0.11
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.0%us, 0.0%sy, 0.0%ni, 99.9%id, 0.0%wa, 0.0%hi, 0.1%si, 0.0%st
Mem: 8148056k total, 645484k used, 7502572k free, 109152k buffers
Swap: 19802108k total, 0k used, 19802108k free, 332220k cached

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

top - 18:28:52 up 2:06, 4 users, load average: 0.01, 0.03, 0.11
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.0%us, 0.0%sy, 0.0%ni, 99.7%id, 0.2%wa, 0.0%hi, 0.2%si, 0.0%st
Mem: 8148056k total, 645484k used, 7502572k free, 109160k buffers
Swap: 19802108k total, 0k used, 19802108k free, 332212k cached

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

```
top - 18:28:55 up 2:06, 4 users, load average: 0.01, 0.03, 0.11
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.0%us, 0.1%sy, 0.0%ni, 99.8%id, 0.0%wa, 0.0%hi, 0.1%si,
0.0%st
Mem: 8148056k total, 645484k used, 7502572k free, 109160k buffers
Swap: 19802108k total, 0k used, 19802108k free, 332220k cached
```

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

```
top - 18:28:58 up 2:06, 4 users, load average: 0.01, 0.03, 0.11
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.0%us, 0.0%sy, 0.0%ni, 99.6%id, 0.3%wa, 0.0%hi, 0.1%si,
0.0%st
Mem: 8148056k total, 645484k used, 7502572k free, 109168k buffers
Swap: 19802108k total, 0k used, 19802108k free, 332220k cached
```

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

```
top - 18:29:01 up 2:06, 4 users, load average: 0.01, 0.03, 0.11
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.1%us, 0.2%sy, 0.0%ni, 99.6%id, 0.0%wa, 0.0%hi, 0.2%si,
0.0%st
Mem: 8148056k total, 645452k used, 7502604k free, 109168k buffers
Swap: 19802108k total, 0k used, 19802108k free, 332224k cached
```

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

```
top - 18:29:04 up 2:06, 4 users, load average: 0.01, 0.03, 0.11
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.0%us, 0.0%sy, 0.0%ni, 99.5%id, 0.4%wa, 0.0%hi, 0.1%si,
0.0%st
Mem: 8148056k total, 645484k used, 7502572k free, 109176k buffers
Swap: 19802108k total, 0k used, 19802108k free, 332224k cached
```

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

```
top - 18:29:07 up 2:06, 4 users, load average: 0.01, 0.03, 0.11
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.0%us, 0.0%sy, 0.0%ni, 99.9%id, 0.0%wa, 0.0%hi, 0.1%si,
0.0%st
Mem: 8148056k total, 645484k used, 7502572k free, 109176k buffers
Swap: 19802108k total, 0k used, 19802108k free, 332224k cached
```

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

```
top - 18:29:10 up 2:06, 4 users, load average: 0.01, 0.03, 0.10
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.0%us, 0.0%sy, 0.0%ni, 99.6%id, 0.3%wa, 0.0%hi, 0.1%si,
0.0%st
Mem: 8148056k total, 645452k used, 7502604k free, 109184k buffers
Swap: 19802108k total, 0k used, 19802108k free, 332216k cached
```

```

PID USER      PR  NI  VIRT  RES  SHR S %CPU %MEM    TIME+  COMMAND
  1 root        20   0  2880 1700 1220 S    0  0.0   0:01.00  init

top - 18:29:13 up  2:06,  4 users,  load average: 0.01, 0.03, 0.10
Tasks:  1 total,   0 running,   1 sleeping,   0 stopped,   0 zombie
Cpu(s):  0.0%us,   0.0%sy,   0.0%ni,100.0%id,   0.0%wa,   0.0%hi,   0.0%si,
0.0%st
Mem:   8148056k total,   645484k used,   7502572k free,   109184k buffers
Swap: 19802108k total,         0k used, 19802108k free,   332224k cached

PID USER      PR  NI  VIRT  RES  SHR S %CPU %MEM    TIME+  COMMAND
  1 root        20   0  2880 1700 1220 S    0  0.0   0:01.00  init

top - 18:29:16 up  2:06,  4 users,  load average: 0.01, 0.03, 0.10
Tasks:  1 total,   0 running,   1 sleeping,   0 stopped,   0 zombie
Cpu(s):  0.0%us,   0.1%sy,   0.0%ni, 99.6%id,   0.3%wa,   0.0%hi,   0.0%si,
0.0%st
Mem:   8148056k total,   645484k used,   7502572k free,   109192k buffers
Swap: 19802108k total,         0k used, 19802108k free,   332216k cached

PID USER      PR  NI  VIRT  RES  SHR S %CPU %MEM    TIME+  COMMAND
  1 root        20   0  2880 1700 1220 S    0  0.0   0:01.00  init

top - 18:29:19 up  2:07,  4 users,  load average: 0.01, 0.03, 0.10
Tasks:  1 total,   0 running,   1 sleeping,   0 stopped,   0 zombie
Cpu(s):  0.0%us,   0.0%sy,   0.0%ni,100.0%id,   0.0%wa,   0.0%hi,   0.0%si,
0.0%st
Mem:   8148056k total,   645452k used,   7502604k free,   109192k buffers
Swap: 19802108k total,         0k used, 19802108k free,   332224k cached

PID USER      PR  NI  VIRT  RES  SHR S %CPU %MEM    TIME+  COMMAND
  1 root        20   0  2880 1700 1220 S    0  0.0   0:01.00  init

top - 18:29:22 up  2:07,  4 users,  load average: 0.01, 0.03, 0.10
Tasks:  1 total,   0 running,   1 sleeping,   0 stopped,   0 zombie
Cpu(s):  0.1%us,   0.0%sy,   0.0%ni, 99.4%id,   0.3%wa,   0.0%hi,   0.2%si,
0.0%st
Mem:   8148056k total,   645484k used,   7502572k free,   109200k buffers
Swap: 19802108k total,         0k used, 19802108k free,   332220k cached

PID USER      PR  NI  VIRT  RES  SHR S %CPU %MEM    TIME+  COMMAND
  1 root        20   0  2880 1700 1220 S    0  0.0   0:01.00  init

top - 18:29:25 up  2:07,  4 users,  load average: 0.01, 0.03, 0.10
Tasks:  1 total,   0 running,   1 sleeping,   0 stopped,   0 zombie
Cpu(s):  0.0%us,   0.0%sy,   0.0%ni, 99.7%id,   0.0%wa,   0.0%hi,   0.3%si,
0.0%st
Mem:   8148056k total,   645484k used,   7502572k free,   109200k buffers
Swap: 19802108k total,         0k used, 19802108k free,   332228k cached

PID USER      PR  NI  VIRT  RES  SHR S %CPU %MEM    TIME+  COMMAND
  1 root        20   0  2880 1700 1220 S    0  0.0   0:01.00  init

top - 18:29:28 up  2:07,  4 users,  load average: 0.01, 0.03, 0.10
Tasks:  1 total,   0 running,   1 sleeping,   0 stopped,   0 zombie
Cpu(s):  0.0%us,   0.0%sy,   0.0%ni, 99.7%id,   0.3%wa,   0.0%hi,   0.0%si,
0.0%st

```

Mem: 8148056k total, 645484k used, 7502572k free, 109208k buffers
Swap: 19802108k total, 0k used, 19802108k free, 332224k cached

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

top - 18:29:31 up 2:07, 4 users, load average: 0.00, 0.03, 0.10
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.0%us, 0.0%sy, 0.0%ni, 99.9%id, 0.0%wa, 0.0%hi, 0.1%si, 0.0%st
Mem: 8148056k total, 645484k used, 7502572k free, 109208k buffers
Swap: 19802108k total, 0k used, 19802108k free, 332228k cached

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

top - 18:29:34 up 2:07, 4 users, load average: 0.00, 0.03, 0.10
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.1%us, 0.0%sy, 0.0%ni, 99.7%id, 0.2%wa, 0.0%hi, 0.0%si, 0.0%st
Mem: 8148056k total, 645608k used, 7502448k free, 109216k buffers
Swap: 19802108k total, 0k used, 19802108k free, 332220k cached

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

top - 18:29:37 up 2:07, 4 users, load average: 0.00, 0.03, 0.10
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.0%us, 0.2%sy, 0.0%ni, 99.7%id, 0.0%wa, 0.0%hi, 0.2%si, 0.0%st
Mem: 8148056k total, 645608k used, 7502448k free, 109216k buffers
Swap: 19802108k total, 0k used, 19802108k free, 332228k cached

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

top - 18:29:40 up 2:07, 4 users, load average: 0.00, 0.03, 0.10
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.0%us, 0.0%sy, 0.0%ni, 99.6%id, 0.3%wa, 0.0%hi, 0.1%si, 0.0%st
Mem: 8148056k total, 645576k used, 7502480k free, 109224k buffers
Swap: 19802108k total, 0k used, 19802108k free, 332228k cached

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

top - 18:29:43 up 2:07, 4 users, load average: 0.00, 0.03, 0.10
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.0%us, 0.1%sy, 0.0%ni, 99.8%id, 0.0%wa, 0.0%hi, 0.1%si, 0.0%st
Mem: 8148056k total, 645608k used, 7502448k free, 109224k buffers
Swap: 19802108k total, 0k used, 19802108k free, 332228k cached

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

top - 18:29:46 up 2:07, 4 users, load average: 0.00, 0.03, 0.10

```

Tasks:   1 total,    0 running,    1 sleeping,    0 stopped,    0 zombie
Cpu(s):  0.0%us,   0.0%sy,   0.0%ni, 99.7%id,   0.3%wa,   0.0%hi,   0.0%si,
0.0%st
Mem:    8148056k total,    645608k used,   7502448k free,    109232k buffers
Swap: 19802108k total,         0k used, 19802108k free,    332224k cached

```

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

```

top - 18:29:49 up  2:07,   4 users,   load average: 0.00, 0.03, 0.10
Tasks:   1 total,    0 running,    1 sleeping,    0 stopped,    0 zombie
Cpu(s):  0.0%us,   0.1%sy,   0.0%ni, 99.8%id,   0.0%wa,   0.0%hi,   0.1%si,
0.0%st
Mem:    8148056k total,    645608k used,   7502448k free,    109232k buffers
Swap: 19802108k total,         0k used, 19802108k free,    332232k cached

```

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

```

top - 18:29:52 up  2:07,   4 users,   load average: 0.00, 0.03, 0.10
Tasks:   1 total,    0 running,    1 sleeping,    0 stopped,    0 zombie
Cpu(s):  0.0%us,   0.0%sy,   0.0%ni, 99.7%id,   0.2%wa,   0.0%hi,   0.2%si,
0.0%st
Mem:    8148056k total,    645576k used,   7502480k free,    109240k buffers
Swap: 19802108k total,         0k used, 19802108k free,    332224k cached

```

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

```

top - 18:29:55 up  2:07,   4 users,   load average: 0.00, 0.03, 0.10
Tasks:   1 total,    0 running,    1 sleeping,    0 stopped,    0 zombie
Cpu(s):  1.9%us,   0.3%sy,   0.0%ni, 97.2%id,   0.0%wa,   0.0%hi,   0.6%si,
0.0%st
Mem:    8148056k total,    648124k used,   7499932k free,    109240k buffers
Swap: 19802108k total,         0k used, 19802108k free,    332388k cached

```

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

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```
top - 18:37:58 up 2:15, 4 users, load average: 0.38, 0.25, 0.16
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.2%us, 0.1%sy, 0.1%ni, 94.9%id, 0.3%wa, 0.0%hi, 4.4%si, 0.0%st
Mem: 8148056k total, 647280k used, 7500776k free, 109296k buffers
Swap: 19802108k total, 0k used, 19802108k free, 333492k cached
```

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

```
top - 18:38:01 up 2:15, 4 users, load average: 0.43, 0.26, 0.16
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.1%us, 0.0%sy, 0.0%ni, 73.9%id, 0.7%wa, 0.0%hi, 25.3%si, 0.0%st
Mem: 8148056k total, 646420k used, 7501636k free, 109304k buffers
Swap: 19802108k total, 0k used, 19802108k free, 332240k cached
```

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

```
top - 18:38:04 up 2:15, 4 users, load average: 0.43, 0.26, 0.16
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.0%us, 0.0%sy, 0.0%ni, 74.9%id, 0.0%wa, 0.0%hi, 25.1%si, 0.0%st
Mem: 8148056k total, 646296k used, 7501760k free, 109304k buffers
Swap: 19802108k total, 0k used, 19802108k free, 332212k cached
```

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

```
top - 18:38:07 up 2:15, 4 users, load average: 0.48, 0.27, 0.17
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.0%us, 0.0%sy, 0.0%ni, 74.9%id, 0.2%wa, 0.0%hi, 24.9%si, 0.0%st
Mem: 8148056k total, 646296k used, 7501760k free, 109312k buffers
Swap: 19802108k total, 0k used, 19802108k free, 332212k cached
```

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

```
top - 18:38:10 up 2:15, 4 users, load average: 0.52, 0.28, 0.17
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.0%us, 0.0%sy, 0.0%ni, 74.9%id, 0.0%wa, 0.0%hi, 25.1%si, 0.0%st
Mem: 8148056k total, 646296k used, 7501760k free, 109312k buffers
Swap: 19802108k total, 0k used, 19802108k free, 332212k cached
```

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

```
top - 18:38:13 up 2:15, 4 users, load average: 0.52, 0.28, 0.17
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.0%us, 0.0%sy, 0.0%ni, 74.9%id, 0.2%wa, 0.0%hi, 24.9%si, 0.0%st
Mem: 8148056k total, 646296k used, 7501760k free, 109320k buffers
```

Swap: 19802108k total, 0k used, 19802108k free, 332212k cached

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

top - 18:38:16 up 2:15, 4 users, load average: 0.56, 0.29, 0.17

Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie

Cpu(s): 0.0%us, 0.0%sy, 0.0%ni, 74.9%id, 0.0%wa, 0.0%hi, 25.1%si, 0.0%st

Mem: 8148056k total, 646296k used, 7501760k free, 109320k buffers

Swap: 19802108k total, 0k used, 19802108k free, 332212k cached

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

top - 18:38:19 up 2:16, 4 users, load average: 0.56, 0.29, 0.17

Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie

Cpu(s): 0.0%us, 0.0%sy, 0.0%ni, 75.0%id, 0.2%wa, 0.0%hi, 24.9%si, 0.0%st

Mem: 8148056k total, 646296k used, 7501760k free, 109328k buffers

Swap: 19802108k total, 0k used, 19802108k free, 332212k cached

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

top - 18:38:22 up 2:16, 4 users, load average: 0.59, 0.31, 0.18

Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie

Cpu(s): 0.0%us, 0.0%sy, 0.0%ni, 74.9%id, 0.0%wa, 0.0%hi, 25.1%si, 0.0%st

Mem: 8148056k total, 646296k used, 7501760k free, 109328k buffers

Swap: 19802108k total, 0k used, 19802108k free, 332216k cached

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

top - 18:38:25 up 2:16, 4 users, load average: 0.63, 0.32, 0.18

Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie

Cpu(s): 0.1%us, 0.1%sy, 0.0%ni, 74.7%id, 0.2%wa, 0.0%hi, 24.9%si, 0.0%st

Mem: 8148056k total, 646296k used, 7501760k free, 109336k buffers

Swap: 19802108k total, 0k used, 19802108k free, 332216k cached

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

top - 18:38:28 up 2:16, 4 users, load average: 0.63, 0.32, 0.18

Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie

Cpu(s): 0.0%us, 0.1%sy, 0.0%ni, 74.8%id, 0.0%wa, 0.0%hi, 25.1%si, 0.0%st

Mem: 8148056k total, 646296k used, 7501760k free, 109336k buffers

Swap: 19802108k total, 0k used, 19802108k free, 332216k cached

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

top - 18:38:31 up 2:16, 4 users, load average: 0.66, 0.33, 0.19

Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie

```
Cpu(s):  0.0%us,  0.1%sy,  0.0%ni, 74.8%id,  0.2%wa,  0.0%hi, 24.8%si,
0.0%st
Mem:   8148056k total,    646296k used,  7501760k free,    109344k buffers
Swap: 19802108k total,         0k used, 19802108k free,    332216k cached
```

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

```
top - 18:38:34 up  2:16,  4 users,  load average: 0.66, 0.33, 0.19
Tasks:  1 total,  0 running,  1 sleeping,  0 stopped,  0 zombie
Cpu(s):  0.0%us,  0.0%sy,  0.0%ni, 74.9%id,  0.0%wa,  0.0%hi, 25.1%si,
0.0%st
Mem:   8148056k total,    646296k used,  7501760k free,    109344k buffers
Swap: 19802108k total,         0k used, 19802108k free,    332216k cached
```

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

```
top - 18:38:37 up  2:16,  4 users,  load average: 0.68, 0.34, 0.19
Tasks:  1 total,  0 running,  1 sleeping,  0 stopped,  0 zombie
Cpu(s):  0.0%us,  0.0%sy,  0.0%ni, 74.7%id,  0.3%wa,  0.0%hi, 24.9%si,
0.0%st
Mem:   8148056k total,    646296k used,  7501760k free,    109352k buffers
Swap: 19802108k total,         0k used, 19802108k free,    332216k cached
```

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

```
top - 18:38:40 up  2:16,  4 users,  load average: 0.71, 0.35, 0.20
Tasks:  1 total,  0 running,  1 sleeping,  0 stopped,  0 zombie
Cpu(s):  0.0%us,  0.0%sy,  0.0%ni, 74.9%id,  0.0%wa,  0.0%hi, 25.1%si,
0.0%st
Mem:   8148056k total,    646288k used,  7501768k free,    109352k buffers
Swap: 19802108k total,         0k used, 19802108k free,    332216k cached
```

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

```
top - 18:38:43 up  2:16,  4 users,  load average: 0.71, 0.35, 0.20
Tasks:  1 total,  0 running,  1 sleeping,  0 stopped,  0 zombie
Cpu(s):  0.0%us,  0.0%sy,  0.0%ni, 74.7%id,  0.4%wa,  0.0%hi, 24.9%si,
0.0%st
Mem:   8148056k total,    646288k used,  7501768k free,    109360k buffers
Swap: 19802108k total,         0k used, 19802108k free,    332216k cached
```

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

```
top - 18:38:46 up  2:16,  4 users,  load average: 0.73, 0.36, 0.20
Tasks:  1 total,  0 running,  1 sleeping,  0 stopped,  0 zombie
Cpu(s):  0.0%us,  0.0%sy,  0.0%ni, 74.9%id,  0.0%wa,  0.0%hi, 25.1%si,
0.0%st
Mem:   8148056k total,    646288k used,  7501768k free,    109360k buffers
Swap: 19802108k total,         0k used, 19802108k free,    332220k cached
```

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |


```
top - 18:38:49 up 2:16, 4 users, load average: 0.73, 0.36, 0.20
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.0%us, 0.0%sy, 0.0%ni, 74.7%id, 0.3%wa, 0.0%hi, 24.9%si,
0.0%st
Mem: 8148056k total, 646288k used, 7501768k free, 109368k buffers
Swap: 19802108k total, 0k used, 19802108k free, 332220k cached
```

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

```
top - 18:38:52 up 2:16, 4 users, load average: 0.75, 0.37, 0.20
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.0%us, 0.0%sy, 0.0%ni, 74.9%id, 0.0%wa, 0.0%hi, 25.1%si,
0.0%st
Mem: 8148056k total, 646288k used, 7501768k free, 109368k buffers
Swap: 19802108k total, 0k used, 19802108k free, 332220k cached
```

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

```
top - 18:38:55 up 2:16, 4 users, load average: 0.85, 0.40, 0.21
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.1%us, 0.0%sy, 0.0%ni, 75.0%id, 0.2%wa, 0.0%hi, 24.7%si,
0.0%st
Mem: 8148056k total, 646288k used, 7501768k free, 109376k buffers
Swap: 19802108k total, 0k used, 19802108k free, 332220k cached
```

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

```
top - 18:38:58 up 2:16, 4 users, load average: 0.85, 0.40, 0.21
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.0%us, 0.0%sy, 0.0%ni, 75.1%id, 0.0%wa, 0.0%hi, 24.9%si,
0.0%st
Mem: 8148056k total, 646288k used, 7501768k free, 109376k buffers
Swap: 19802108k total, 0k used, 19802108k free, 332220k cached
```

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

```
top - 18:39:01 up 2:16, 4 users, load average: 0.87, 0.41, 0.22
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.0%us, 0.0%sy, 0.0%ni, 74.7%id, 0.2%wa, 0.0%hi, 25.1%si,
0.0%st
Mem: 8148056k total, 646476k used, 7501580k free, 109384k buffers
Swap: 19802108k total, 0k used, 19802108k free, 332220k cached
```

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

```
top - 18:39:04 up 2:16, 4 users, load average: 0.87, 0.41, 0.22
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.0%us, 0.1%sy, 0.0%ni, 75.1%id, 0.0%wa, 0.0%hi, 24.8%si,
0.0%st
Mem: 8148056k total, 646412k used, 7501644k free, 109384k buffers
Swap: 19802108k total, 0k used, 19802108k free, 332220k cached
```

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

top - 18:39:07 up 2:16, 4 users, load average: 0.96, 0.43, 0.23
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.0%us, 0.0%sy, 0.0%ni, 74.4%id, 0.4%wa, 0.0%hi, 25.2%si, 0.0%st
Mem: 8148056k total, 646412k used, 7501644k free, 109392k buffers
Swap: 19802108k total, 0k used, 19802108k free, 332220k cached

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

top - 18:39:10 up 2:16, 4 users, load average: 0.96, 0.44, 0.23
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.0%us, 0.0%sy, 0.0%ni, 75.1%id, 0.0%wa, 0.0%hi, 24.9%si, 0.0%st
Mem: 8148056k total, 646412k used, 7501644k free, 109392k buffers
Swap: 19802108k total, 0k used, 19802108k free, 332224k cached

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

top - 18:39:13 up 2:16, 4 users, load average: 0.96, 0.44, 0.23
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.0%us, 0.0%sy, 0.0%ni, 74.5%id, 0.4%wa, 0.0%hi, 25.1%si, 0.0%st
Mem: 8148056k total, 646412k used, 7501644k free, 109400k buffers
Swap: 19802108k total, 0k used, 19802108k free, 332224k cached

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

top - 18:39:16 up 2:16, 4 users, load average: 0.96, 0.45, 0.24
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.0%us, 0.0%sy, 0.0%ni, 75.2%id, 0.0%wa, 0.0%hi, 24.8%si, 0.0%st
Mem: 8148056k total, 646412k used, 7501644k free, 109400k buffers
Swap: 19802108k total, 0k used, 19802108k free, 332224k cached

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

top - 18:39:19 up 2:17, 4 users, load average: 0.96, 0.45, 0.24
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.0%us, 0.0%sy, 0.0%ni, 74.6%id, 0.3%wa, 0.0%hi, 25.2%si, 0.0%st
Mem: 8148056k total, 646412k used, 7501644k free, 109408k buffers
Swap: 19802108k total, 0k used, 19802108k free, 332224k cached

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

top - 18:39:22 up 2:17, 4 users, load average: 0.97, 0.46, 0.24
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.0%us, 0.0%sy, 0.0%ni, 75.2%id, 0.0%wa, 0.0%hi, 24.8%si, 0.0%st

Mem: 8148056k total, 646412k used, 7501644k free, 109408k buffers
Swap: 19802108k total, 0k used, 19802108k free, 332224k cached

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

top - 18:39:25 up 2:17, 4 users, load average: 1.05, 0.49, 0.25
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.0%us, 0.0%sy, 0.0%ni, 74.8%id, 0.2%wa, 0.0%hi, 25.0%si, 0.0%st
Mem: 8148056k total, 646412k used, 7501644k free, 109416k buffers
Swap: 19802108k total, 0k used, 19802108k free, 332224k cached

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

top - 18:39:28 up 2:17, 4 users, load average: 1.05, 0.49, 0.25
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.0%us, 0.0%sy, 0.0%ni, 74.8%id, 0.0%wa, 0.0%hi, 25.2%si, 0.0%st
Mem: 8148056k total, 646412k used, 7501644k free, 109416k buffers
Swap: 19802108k total, 0k used, 19802108k free, 332224k cached

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

top - 18:39:31 up 2:17, 4 users, load average: 1.05, 0.50, 0.25
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.0%us, 0.1%sy, 0.0%ni, 74.9%id, 0.2%wa, 0.0%hi, 24.8%si, 0.0%st
Mem: 8148056k total, 646412k used, 7501644k free, 109424k buffers
Swap: 19802108k total, 0k used, 19802108k free, 332224k cached

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

top - 18:39:34 up 2:17, 4 users, load average: 1.05, 0.50, 0.25
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.0%us, 0.0%sy, 0.0%ni, 74.8%id, 0.0%wa, 0.0%hi, 25.2%si, 0.0%st
Mem: 8148056k total, 646412k used, 7501644k free, 109424k buffers
Swap: 19802108k total, 0k used, 19802108k free, 332228k cached

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

top - 18:39:37 up 2:17, 4 users, load average: 1.12, 0.52, 0.26
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.0%us, 0.0%sy, 0.0%ni, 74.8%id, 0.3%wa, 0.0%hi, 24.9%si, 0.0%st
Mem: 8148056k total, 646412k used, 7501644k free, 109432k buffers
Swap: 19802108k total, 0k used, 19802108k free, 332228k cached

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

top - 18:39:40 up 2:17, 4 users, load average: 1.11, 0.53, 0.27

```

Tasks:   1 total,    0 running,    1 sleeping,    0 stopped,    0 zombie
Cpu(s):  0.0%us,   0.0%sy,   0.0%ni,  74.8%id,   0.0%wa,   0.0%hi,  25.2%si,
0.0%st
Mem:    8148056k total,    646412k used,    7501644k free,    109432k buffers
Swap: 19802108k total,         0k used, 19802108k free,    332228k cached

```

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

```

top - 18:39:43 up  2:17,   4 users,   load average: 1.11, 0.53, 0.27
Tasks:   1 total,    0 running,    1 sleeping,    0 stopped,    0 zombie
Cpu(s):  0.0%us,   0.1%sy,   0.0%ni,  74.7%id,   0.4%wa,   0.0%hi,  24.8%si,
0.0%st
Mem:    8148056k total,    646412k used,    7501644k free,    109440k buffers
Swap: 19802108k total,         0k used, 19802108k free,    332228k cached

```

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

```

top - 18:39:46 up  2:17,   4 users,   load average: 1.10, 0.54, 0.27
Tasks:   1 total,    0 running,    1 sleeping,    0 stopped,    0 zombie
Cpu(s):  0.0%us,   0.0%sy,   0.0%ni,  74.8%id,   0.0%wa,   0.0%hi,  25.2%si,
0.0%st
Mem:    8148056k total,    646412k used,    7501644k free,    109440k buffers
Swap: 19802108k total,         0k used, 19802108k free,    332228k cached

```

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

```

top - 18:39:49 up  2:17,   4 users,   load average: 1.10, 0.54, 0.27
Tasks:   1 total,    0 running,    1 sleeping,    0 stopped,    0 zombie
Cpu(s):  0.0%us,   0.0%sy,   0.0%ni,  74.9%id,   0.3%wa,   0.0%hi,  24.8%si,
0.0%st
Mem:    8148056k total,    646412k used,    7501644k free,    109448k buffers
Swap: 19802108k total,         0k used, 19802108k free,    332228k cached

```

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

```

top - 18:39:52 up  2:17,   4 users,   load average: 1.10, 0.54, 0.27
Tasks:   1 total,    0 running,    1 sleeping,    0 stopped,    0 zombie
Cpu(s):  0.0%us,   0.0%sy,   0.0%ni,  74.8%id,   0.0%wa,   0.0%hi,  25.2%si,
0.0%st
Mem:    8148056k total,    646412k used,    7501644k free,    109448k buffers
Swap: 19802108k total,         0k used, 19802108k free,    332228k cached

```

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

```

top - 18:39:55 up  2:17,   4 users,   load average: 1.09, 0.55, 0.28
Tasks:   1 total,    0 running,    1 sleeping,    0 stopped,    0 zombie
Cpu(s):  0.0%us,   0.0%sy,   0.0%ni,  74.9%id,   0.2%wa,   0.0%hi,  24.8%si,
0.0%st
Mem:    8148056k total,    646412k used,    7501644k free,    109456k buffers
Swap: 19802108k total,         0k used, 19802108k free,    332228k cached

```

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

```
top - 18:39:58 up 2:17, 4 users, load average: 1.09, 0.55, 0.28
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.0%us, 0.0%sy, 0.0%ni, 75.0%id, 0.0%wa, 0.0%hi, 25.0%si, 0.0%st
Mem: 8148056k total, 646412k used, 7501644k free, 109456k buffers
Swap: 19802108k total, 0k used, 19802108k free, 332232k cached
```

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

```
top - 18:40:01 up 2:17, 4 users, load average: 1.08, 0.56, 0.28
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.1%us, 0.0%sy, 0.0%ni, 74.4%id, 0.3%wa, 0.0%hi, 25.3%si, 0.0%st
Mem: 8148056k total, 646412k used, 7501644k free, 109464k buffers
Swap: 19802108k total, 0k used, 19802108k free, 332256k cached
```

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

```
top - 18:40:04 up 2:17, 4 users, load average: 1.08, 0.56, 0.28
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.0%us, 0.0%sy, 0.0%ni, 75.2%id, 0.0%wa, 0.0%hi, 24.8%si, 0.0%st
Mem: 8148056k total, 646412k used, 7501644k free, 109464k buffers
Swap: 19802108k total, 0k used, 19802108k free, 332232k cached
```

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

```
top - 18:40:07 up 2:17, 4 users, load average: 1.07, 0.57, 0.29
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.0%us, 0.1%sy, 0.0%ni, 74.1%id, 0.3%wa, 0.0%hi, 25.5%si, 0.0%st
Mem: 8148056k total, 646412k used, 7501644k free, 109472k buffers
Swap: 19802108k total, 0k used, 19802108k free, 332232k cached
```

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

```
top - 18:40:10 up 2:17, 4 users, load average: 1.07, 0.57, 0.29
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.0%us, 0.0%sy, 0.0%ni, 75.5%id, 0.0%wa, 0.0%hi, 24.5%si, 0.0%st
Mem: 8148056k total, 646412k used, 7501644k free, 109472k buffers
Swap: 19802108k total, 0k used, 19802108k free, 332232k cached
```

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

```
top - 18:40:13 up 2:17, 4 users, load average: 1.07, 0.57, 0.29
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.0%us, 0.1%sy, 0.0%ni, 74.5%id, 0.3%wa, 0.0%hi, 25.1%si, 0.0%st
Mem: 8148056k total, 646412k used, 7501644k free, 109480k buffers
Swap: 19802108k total, 0k used, 19802108k free, 332232k cached
```

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

top - 18:40:16 up 2:17, 4 users, load average: 1.06, 0.58, 0.29
 Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
 Cpu(s): 0.0%us, 0.0%sy, 0.0%ni, 75.1%id, 0.0%wa, 0.0%hi, 24.9%si, 0.0%st
 Mem: 8148056k total, 646412k used, 7501644k free, 109480k buffers
 Swap: 19802108k total, 0k used, 19802108k free, 332232k cached

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

top - 18:40:19 up 2:18, 4 users, load average: 1.06, 0.58, 0.29
 Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
 Cpu(s): 0.0%us, 0.0%sy, 0.0%ni, 74.6%id, 0.3%wa, 0.0%hi, 25.1%si, 0.0%st
 Mem: 8148056k total, 646412k used, 7501644k free, 109488k buffers
 Swap: 19802108k total, 0k used, 19802108k free, 332236k cached

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

top - 18:40:22 up 2:18, 4 users, load average: 1.06, 0.59, 0.30
 Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
 Cpu(s): 0.0%us, 0.1%sy, 0.0%ni, 74.4%id, 0.0%wa, 0.0%hi, 25.5%si, 0.0%st
 Mem: 8148056k total, 646412k used, 7501644k free, 109488k buffers
 Swap: 19802108k total, 0k used, 19802108k free, 332236k cached

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

top - 18:40:25 up 2:18, 4 users, load average: 1.05, 0.59, 0.30
 Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
 Cpu(s): 0.0%us, 0.0%sy, 0.0%ni, 74.8%id, 0.2%wa, 0.0%hi, 25.0%si, 0.0%st
 Mem: 8148056k total, 646412k used, 7501644k free, 109496k buffers
 Swap: 19802108k total, 0k used, 19802108k free, 332236k cached

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

top - 18:40:28 up 2:18, 4 users, load average: 1.05, 0.59, 0.30
 Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
 Cpu(s): 0.1%us, 0.0%sy, 0.0%ni, 74.9%id, 0.0%wa, 0.0%hi, 25.0%si, 0.0%st
 Mem: 8148056k total, 646412k used, 7501644k free, 109496k buffers
 Swap: 19802108k total, 0k used, 19802108k free, 332236k cached

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

top - 18:40:31 up 2:18, 4 users, load average: 1.05, 0.60, 0.31
 Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie

```
Cpu(s):  0.0%us,  0.0%sy,  0.0%ni, 74.9%id,  0.2%wa,  0.0%hi, 25.0%si,
0.0%st
Mem:   8148056k total,   646412k used,  7501644k free,   109504k buffers
Swap: 19802108k total,         0k used, 19802108k free,   332236k cached
```

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

```
top - 18:40:34 up  2:18,  4 users,  load average: 1.05, 0.60, 0.31
Tasks:  1 total,  0 running,  1 sleeping,  0 stopped,  0 zombie
Cpu(s):  0.0%us,  0.0%sy,  0.0%ni, 75.0%id,  0.0%wa,  0.0%hi, 25.0%si,
0.0%st
Mem:   8148056k total,   646412k used,  7501644k free,   109504k buffers
Swap: 19802108k total,         0k used, 19802108k free,   332236k cached
```

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

```
top - 18:40:37 up  2:18,  4 users,  load average: 1.04, 0.61, 0.31
Tasks:  1 total,  0 running,  1 sleeping,  0 stopped,  0 zombie
Cpu(s):  0.0%us,  0.0%sy,  0.0%ni, 74.8%id,  0.2%wa,  0.0%hi, 25.1%si,
0.0%st
Mem:   8148056k total,   646536k used,  7501520k free,   109512k buffers
Swap: 19802108k total,         0k used, 19802108k free,   332236k cached
```

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

```
top - 18:40:40 up  2:18,  4 users,  load average: 1.04, 0.61, 0.31
Tasks:  1 total,  0 running,  1 sleeping,  0 stopped,  0 zombie
Cpu(s):  0.0%us,  0.0%sy,  0.0%ni, 75.0%id,  0.0%wa,  0.0%hi, 25.0%si,
0.0%st
Mem:   8148056k total,   646536k used,  7501520k free,   109512k buffers
Swap: 19802108k total,         0k used, 19802108k free,   332236k cached
```

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

```
top - 18:40:43 up  2:18,  4 users,  load average: 1.04, 0.61, 0.31
Tasks:  1 total,  0 running,  1 sleeping,  0 stopped,  0 zombie
Cpu(s):  0.0%us,  0.0%sy,  0.0%ni, 75.2%id,  0.2%wa,  0.0%hi, 24.5%si,
0.0%st
Mem:   8148056k total,   646536k used,  7501520k free,   109520k buffers
Swap: 19802108k total,         0k used, 19802108k free,   332240k cached
```

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

```
top - 18:40:46 up  2:18,  4 users,  load average: 1.04, 0.62, 0.32
Tasks:  1 total,  0 running,  1 sleeping,  0 stopped,  0 zombie
Cpu(s):  0.0%us,  0.0%sy,  0.0%ni, 75.2%id,  0.0%wa,  0.0%hi, 24.8%si,
0.0%st
Mem:   8148056k total,   646536k used,  7501520k free,   109520k buffers
Swap: 19802108k total,         0k used, 19802108k free,   332240k cached
```

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

```
top - 18:40:49 up 2:18, 4 users, load average: 1.04, 0.62, 0.32
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.0%us, 0.1%sy, 0.0%ni, 74.6%id, 0.3%wa, 0.0%hi, 25.0%si,
0.0%st
Mem: 8148056k total, 646536k used, 7501520k free, 109528k buffers
Swap: 19802108k total, 0k used, 19802108k free, 332240k cached
```

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

```
top - 18:40:52 up 2:18, 4 users, load average: 1.04, 0.63, 0.32
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.0%us, 0.0%sy, 0.0%ni, 74.8%id, 0.0%wa, 0.0%hi, 25.2%si,
0.0%st
Mem: 8148056k total, 646536k used, 7501520k free, 109528k buffers
Swap: 19802108k total, 0k used, 19802108k free, 332240k cached
```

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

```
top - 18:40:55 up 2:18, 4 users, load average: 1.03, 0.63, 0.33
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.0%us, 0.0%sy, 0.0%ni, 74.9%id, 0.3%wa, 0.0%hi, 24.8%si,
0.0%st
Mem: 8148056k total, 646536k used, 7501520k free, 109536k buffers
Swap: 19802108k total, 0k used, 19802108k free, 332240k cached
```

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

```
top - 18:40:58 up 2:18, 4 users, load average: 1.03, 0.63, 0.33
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.0%us, 0.0%sy, 0.0%ni, 74.7%id, 0.0%wa, 0.0%hi, 25.3%si,
0.0%st
Mem: 8148056k total, 646536k used, 7501520k free, 109536k buffers
Swap: 19802108k total, 0k used, 19802108k free, 332240k cached
```

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

```
top - 18:41:01 up 2:18, 4 users, load average: 1.03, 0.64, 0.33
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.1%us, 0.0%sy, 0.0%ni, 75.0%id, 0.3%wa, 0.0%hi, 24.6%si,
0.0%st
Mem: 8148056k total, 646536k used, 7501520k free, 109544k buffers
Swap: 19802108k total, 0k used, 19802108k free, 332264k cached
```

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

```
top - 18:41:04 up 2:18, 4 users, load average: 1.03, 0.64, 0.33
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.1%us, 0.0%sy, 0.0%ni, 74.5%id, 0.0%wa, 0.0%hi, 25.4%si,
0.0%st
Mem: 8148056k total, 646536k used, 7501520k free, 109544k buffers
Swap: 19802108k total, 0k used, 19802108k free, 332240k cached
```


| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

top - 18:41:07 up 2:18, 4 users, load average: 1.11, 0.66, 0.34
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.0%us, 0.0%sy, 0.0%ni, 75.0%id, 0.2%wa, 0.0%hi, 24.8%si, 0.0%st
Mem: 8148056k total, 646536k used, 7501520k free, 109552k buffers
Swap: 19802108k total, 0k used, 19802108k free, 332244k cached

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

top - 18:41:10 up 2:18, 4 users, load average: 1.10, 0.67, 0.34
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.0%us, 0.0%sy, 0.0%ni, 74.9%id, 0.0%wa, 0.0%hi, 25.1%si, 0.0%st
Mem: 8148056k total, 646536k used, 7501520k free, 109552k buffers
Swap: 19802108k total, 0k used, 19802108k free, 332244k cached

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

top - 18:41:13 up 2:18, 4 users, load average: 1.10, 0.67, 0.34
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.0%us, 0.0%sy, 0.0%ni, 75.0%id, 0.1%wa, 0.0%hi, 24.9%si, 0.0%st
Mem: 8148056k total, 646536k used, 7501520k free, 109560k buffers
Swap: 19802108k total, 0k used, 19802108k free, 332244k cached

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

top - 18:41:16 up 2:18, 4 users, load average: 1.09, 0.67, 0.34
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.0%us, 0.0%sy, 0.0%ni, 74.9%id, 0.0%wa, 0.0%hi, 25.1%si, 0.0%st
Mem: 8148056k total, 646536k used, 7501520k free, 109560k buffers
Swap: 19802108k total, 0k used, 19802108k free, 332244k cached

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

top - 18:41:19 up 2:19, 4 users, load average: 1.09, 0.67, 0.34
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.0%us, 0.0%sy, 0.0%ni, 74.9%id, 0.3%wa, 0.0%hi, 24.8%si, 0.0%st
Mem: 8148056k total, 646536k used, 7501520k free, 109568k buffers
Swap: 19802108k total, 0k used, 19802108k free, 332244k cached

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

top - 18:41:22 up 2:19, 4 users, load average: 1.08, 0.68, 0.35
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.0%us, 0.0%sy, 0.0%ni, 74.8%id, 0.0%wa, 0.0%hi, 25.2%si, 0.0%st

Mem: 8148056k total, 646536k used, 7501520k free, 109568k buffers
Swap: 19802108k total, 0k used, 19802108k free, 332244k cached

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

top - 18:41:25 up 2:19, 4 users, load average: 1.08, 0.68, 0.35
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.0%us, 0.2%sy, 0.0%ni, 74.8%id, 0.2%wa, 0.0%hi, 24.8%si, 0.0%st
Mem: 8148056k total, 646536k used, 7501520k free, 109576k buffers
Swap: 19802108k total, 0k used, 19802108k free, 332244k cached

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

top - 18:41:28 up 2:19, 4 users, load average: 1.08, 0.68, 0.35
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.0%us, 0.0%sy, 0.0%ni, 74.7%id, 0.0%wa, 0.0%hi, 25.3%si, 0.0%st
Mem: 8148056k total, 646536k used, 7501520k free, 109576k buffers
Swap: 19802108k total, 0k used, 19802108k free, 332244k cached

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

top - 18:41:31 up 2:19, 4 users, load average: 1.07, 0.69, 0.35
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.0%us, 0.0%sy, 0.0%ni, 74.9%id, 0.3%wa, 0.0%hi, 24.8%si, 0.0%st
Mem: 8148056k total, 646536k used, 7501520k free, 109584k buffers
Swap: 19802108k total, 0k used, 19802108k free, 332248k cached

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

top - 18:41:34 up 2:19, 4 users, load average: 1.07, 0.69, 0.35
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.0%us, 0.1%sy, 0.0%ni, 74.7%id, 0.0%wa, 0.0%hi, 25.2%si, 0.0%st
Mem: 8148056k total, 646536k used, 7501520k free, 109584k buffers
Swap: 19802108k total, 0k used, 19802108k free, 332248k cached

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

top - 18:41:37 up 2:19, 4 users, load average: 1.14, 0.71, 0.36
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.0%us, 0.0%sy, 0.0%ni, 75.0%id, 0.2%wa, 0.0%hi, 24.8%si, 0.0%st
Mem: 8148056k total, 646536k used, 7501520k free, 109592k buffers
Swap: 19802108k total, 0k used, 19802108k free, 332248k cached

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

top - 18:41:40 up 2:19, 4 users, load average: 1.13, 0.72, 0.37

```

Tasks:   1 total,    0 running,    1 sleeping,    0 stopped,    0 zombie
Cpu(s):  0.0%us,   0.0%sy,   0.0%ni,  74.7%id,   0.0%wa,   0.0%hi,  25.3%si,
0.0%st
Mem:    8148056k total,    646536k used,    7501520k free,    109592k buffers
Swap: 19802108k total,         0k used, 19802108k free,    332248k cached

```

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

```

top - 18:41:43 up  2:19,   4 users,   load average: 1.13, 0.72, 0.37
Tasks:   1 total,    0 running,    1 sleeping,    0 stopped,    0 zombie
Cpu(s):  0.0%us,   0.0%sy,   0.0%ni,  75.1%id,   0.2%wa,   0.0%hi,  24.8%si,
0.0%st
Mem:    8148056k total,    646536k used,    7501520k free,    109600k buffers
Swap: 19802108k total,         0k used, 19802108k free,    332248k cached

```

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

```

top - 18:41:46 up  2:19,   4 users,   load average: 1.12, 0.72, 0.37
Tasks:   1 total,    0 running,    1 sleeping,    0 stopped,    0 zombie
Cpu(s):  0.0%us,   0.0%sy,   0.0%ni,  75.5%id,   0.0%wa,   0.0%hi,  24.5%si,
0.0%st
Mem:    8148056k total,    646536k used,    7501520k free,    109600k buffers
Swap: 19802108k total,         0k used, 19802108k free,    332248k cached

```

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

```

top - 18:41:49 up  2:19,   4 users,   load average: 1.12, 0.72, 0.37
Tasks:   1 total,    0 running,    1 sleeping,    0 stopped,    0 zombie
Cpu(s):  0.0%us,   0.0%sy,   0.0%ni,  74.9%id,   0.2%wa,   0.0%hi,  25.0%si,
0.0%st
Mem:    8148056k total,    646536k used,    7501520k free,    109608k buffers
Swap: 19802108k total,         0k used, 19802108k free,    332248k cached

```

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

```

top - 18:41:52 up  2:19,   4 users,   load average: 1.11, 0.72, 0.37
Tasks:   1 total,    0 running,    1 sleeping,    0 stopped,    0 zombie
Cpu(s):  0.0%us,   0.1%sy,   0.0%ni,  74.9%id,   0.0%wa,   0.0%hi,  25.0%si,
0.0%st
Mem:    8148056k total,    646536k used,    7501520k free,    109608k buffers
Swap: 19802108k total,         0k used, 19802108k free,    332248k cached

```

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

```

top - 18:41:55 up  2:19,   4 users,   load average: 1.10, 0.73, 0.38
Tasks:   1 total,    0 running,    1 sleeping,    0 stopped,    0 zombie
Cpu(s):  0.0%us,   0.0%sy,   0.0%ni,  74.9%id,   0.2%wa,   0.0%hi,  25.0%si,
0.0%st
Mem:    8148056k total,    646536k used,    7501520k free,    109616k buffers
Swap: 19802108k total,         0k used, 19802108k free,    332252k cached

```

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

```
top - 18:41:58 up 2:19, 4 users, load average: 1.10, 0.73, 0.38
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.0%us, 0.0%sy, 0.0%ni, 75.0%id, 0.0%wa, 0.0%hi, 25.0%si, 0.0%st
Mem: 8148056k total, 646536k used, 7501520k free, 109616k buffers
Swap: 19802108k total, 0k used, 19802108k free, 332252k cached
```

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

```
top - 18:42:01 up 2:19, 4 users, load average: 1.10, 0.73, 0.38
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.1%us, 0.0%sy, 0.0%ni, 74.8%id, 0.2%wa, 0.0%hi, 24.9%si, 0.0%st
Mem: 8148056k total, 646536k used, 7501520k free, 109624k buffers
Swap: 19802108k total, 0k used, 19802108k free, 332276k cached
```

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

```
top - 18:42:04 up 2:19, 4 users, load average: 1.10, 0.73, 0.38
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.0%us, 0.0%sy, 0.0%ni, 75.0%id, 0.0%wa, 0.0%hi, 25.0%si, 0.0%st
Mem: 8148056k total, 646536k used, 7501520k free, 109624k buffers
Swap: 19802108k total, 0k used, 19802108k free, 332252k cached
```

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

```
top - 18:42:07 up 2:19, 4 users, load average: 1.17, 0.75, 0.39
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.0%us, 0.0%sy, 0.0%ni, 74.8%id, 0.2%wa, 0.0%hi, 25.0%si, 0.0%st
Mem: 8148056k total, 646536k used, 7501520k free, 109632k buffers
Swap: 19802108k total, 0k used, 19802108k free, 332252k cached
```

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

```
top - 18:42:10 up 2:19, 4 users, load average: 1.15, 0.76, 0.39
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.0%us, 0.0%sy, 0.0%ni, 75.0%id, 0.0%wa, 0.0%hi, 25.0%si, 0.0%st
Mem: 8148056k total, 646536k used, 7501520k free, 109632k buffers
Swap: 19802108k total, 0k used, 19802108k free, 332252k cached
```

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

```
top - 18:42:13 up 2:19, 4 users, load average: 1.15, 0.76, 0.39
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.0%us, 0.0%sy, 0.0%ni, 74.7%id, 0.2%wa, 0.0%hi, 25.0%si, 0.0%st
Mem: 8148056k total, 646660k used, 7501396k free, 109640k buffers
Swap: 19802108k total, 0k used, 19802108k free, 332252k cached
```

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

top - 18:42:16 up 2:19, 4 users, load average: 1.14, 0.76, 0.40
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.0%us, 0.0%sy, 0.0%ni, 75.0%id, 0.0%wa, 0.0%hi, 25.0%si, 0.0%st
Mem: 8148056k total, 646660k used, 7501396k free, 109640k buffers
Swap: 19802108k total, 0k used, 19802108k free, 332256k cached

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

top - 18:42:19 up 2:20, 4 users, load average: 1.14, 0.76, 0.40
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.0%us, 0.0%sy, 0.0%ni, 74.7%id, 0.3%wa, 0.0%hi, 25.0%si, 0.0%st
Mem: 8148056k total, 646660k used, 7501396k free, 109648k buffers
Swap: 19802108k total, 0k used, 19802108k free, 332256k cached

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

top - 18:42:22 up 2:20, 4 users, load average: 1.13, 0.77, 0.40
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.0%us, 0.0%sy, 0.0%ni, 75.0%id, 0.0%wa, 0.0%hi, 25.0%si, 0.0%st
Mem: 8148056k total, 646660k used, 7501396k free, 109648k buffers
Swap: 19802108k total, 0k used, 19802108k free, 332256k cached

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

top - 18:42:25 up 2:20, 4 users, load average: 1.12, 0.77, 0.40
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.0%us, 0.0%sy, 0.0%ni, 74.9%id, 0.1%wa, 0.0%hi, 25.0%si, 0.0%st
Mem: 8148056k total, 646660k used, 7501396k free, 109656k buffers
Swap: 19802108k total, 0k used, 19802108k free, 332256k cached

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

top - 18:42:28 up 2:20, 4 users, load average: 1.12, 0.77, 0.40
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.0%us, 0.0%sy, 0.0%ni, 75.1%id, 0.0%wa, 0.0%hi, 24.9%si, 0.0%st
Mem: 8148056k total, 646660k used, 7501396k free, 109656k buffers
Swap: 19802108k total, 0k used, 19802108k free, 332256k cached

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

top - 18:42:31 up 2:20, 4 users, load average: 1.11, 0.77, 0.41
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie

```
Cpu(s):  0.0%us,  0.0%sy,  0.0%ni, 74.7%id,  0.2%wa,  0.0%hi, 25.1%si,
0.0%st
Mem:   8148056k total,   646660k used,  7501396k free,   109664k buffers
Swap: 19802108k total,         0k used, 19802108k free,   332256k cached
```

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

```
top - 18:42:34 up  2:20,  4 users,  load average: 1.11, 0.77, 0.41
Tasks:  1 total,  0 running,  1 sleeping,  0 stopped,  0 zombie
Cpu(s):  0.1%us,  0.0%sy,  0.0%ni, 75.0%id,  0.0%wa,  0.0%hi, 25.0%si,
0.0%st
Mem:   8148056k total,   646660k used,  7501396k free,   109664k buffers
Swap: 19802108k total,         0k used, 19802108k free,   332256k cached
```

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

```
top - 18:42:37 up  2:20,  4 users,  load average: 1.10, 0.78, 0.41
Tasks:  1 total,  0 running,  1 sleeping,  0 stopped,  0 zombie
Cpu(s):  0.0%us,  0.0%sy,  0.0%ni, 74.6%id,  0.3%wa,  0.0%hi, 25.0%si,
0.0%st
Mem:   8148056k total,   646660k used,  7501396k free,   109672k buffers
Swap: 19802108k total,         0k used, 19802108k free,   332256k cached
```

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

```
top - 18:42:40 up  2:20,  4 users,  load average: 1.09, 0.78, 0.41
Tasks:  1 total,  0 running,  1 sleeping,  0 stopped,  0 zombie
Cpu(s):  0.0%us,  0.1%sy,  0.0%ni, 75.0%id,  0.0%wa,  0.0%hi, 25.0%si,
0.0%st
Mem:   8148056k total,   646660k used,  7501396k free,   109672k buffers
Swap: 19802108k total,         0k used, 19802108k free,   332260k cached
```

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

```
top - 18:42:43 up  2:20,  4 users,  load average: 1.09, 0.78, 0.41
Tasks:  1 total,  0 running,  1 sleeping,  0 stopped,  0 zombie
Cpu(s):  0.0%us,  0.0%sy,  0.0%ni, 74.8%id,  0.2%wa,  0.0%hi, 25.0%si,
0.0%st
Mem:   8148056k total,   646660k used,  7501396k free,   109680k buffers
Swap: 19802108k total,         0k used, 19802108k free,   332260k cached
```

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

```
top - 18:42:46 up  2:20,  4 users,  load average: 1.09, 0.79, 0.42
Tasks:  1 total,  0 running,  1 sleeping,  0 stopped,  0 zombie
Cpu(s):  0.0%us,  0.0%sy,  0.0%ni, 75.0%id,  0.0%wa,  0.0%hi, 25.0%si,
0.0%st
Mem:   8148056k total,   646660k used,  7501396k free,   109680k buffers
Swap: 19802108k total,         0k used, 19802108k free,   332260k cached
```

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

```
top - 18:42:49 up 2:20, 4 users, load average: 1.09, 0.79, 0.42
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.0%us, 0.0%sy, 0.0%ni, 74.8%id, 0.2%wa, 0.0%hi, 25.0%si,
0.0%st
Mem: 8148056k total, 646660k used, 7501396k free, 109688k buffers
Swap: 19802108k total, 0k used, 19802108k free, 332260k cached
```

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

```
top - 18:42:52 up 2:20, 4 users, load average: 1.08, 0.79, 0.42
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.0%us, 0.0%sy, 0.0%ni, 75.0%id, 0.0%wa, 0.0%hi, 25.0%si,
0.0%st
Mem: 8148056k total, 646660k used, 7501396k free, 109688k buffers
Swap: 19802108k total, 0k used, 19802108k free, 332260k cached
```

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

```
top - 18:42:55 up 2:20, 4 users, load average: 1.07, 0.79, 0.42
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.0%us, 0.0%sy, 0.0%ni, 74.9%id, 0.1%wa, 0.0%hi, 25.1%si,
0.0%st
Mem: 8148056k total, 646660k used, 7501396k free, 109696k buffers
Swap: 19802108k total, 0k used, 19802108k free, 332260k cached
```

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

```
top - 18:42:58 up 2:20, 4 users, load average: 1.07, 0.79, 0.42
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.0%us, 1.2%sy, 0.0%ni, 73.9%id, 0.0%wa, 0.0%hi, 24.9%si,
0.0%st
Mem: 8148056k total, 646660k used, 7501396k free, 109696k buffers
Swap: 19802108k total, 0k used, 19802108k free, 332260k cached
```

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

```
top - 18:43:01 up 2:20, 4 users, load average: 1.07, 0.80, 0.42
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.1%us, 0.1%sy, 0.0%ni, 74.5%id, 0.4%wa, 0.0%hi, 24.9%si,
0.0%st
Mem: 8148056k total, 646724k used, 7501332k free, 109704k buffers
Swap: 19802108k total, 0k used, 19802108k free, 332264k cached
```

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

```
top - 18:43:04 up 2:20, 4 users, load average: 1.07, 0.80, 0.42
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.0%us, 0.1%sy, 0.0%ni, 74.9%id, 0.0%wa, 0.0%hi, 25.0%si,
0.0%st
Mem: 8148056k total, 646660k used, 7501396k free, 109704k buffers
Swap: 19802108k total, 0k used, 19802108k free, 332292k cached
```

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

top - 18:43:07 up 2:20, 4 users, load average: 1.06, 0.80, 0.43
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.0%us, 0.0%sy, 0.0%ni, 74.7%id, 0.3%wa, 0.0%hi, 25.0%si, 0.0%st
Mem: 8148056k total, 646660k used, 7501396k free, 109712k buffers
Swap: 19802108k total, 0k used, 19802108k free, 332292k cached

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

top - 18:43:10 up 2:20, 4 users, load average: 1.14, 0.82, 0.44
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.6%us, 0.1%sy, 0.0%ni, 73.6%id, 0.0%wa, 0.0%hi, 25.7%si, 0.0%st
Mem: 8148056k total, 654720k used, 7493336k free, 109712k buffers
Swap: 19802108k total, 0k used, 19802108k free, 340460k cached

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

top - 18:43:13 up 2:20, 4 users, load average: 1.14, 0.82, 0.44
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.0%us, 0.0%sy, 0.0%ni, 74.5%id, 0.3%wa, 0.0%hi, 25.2%si, 0.0%st
Mem: 8148056k total, 654720k used, 7493336k free, 109720k buffers
Swap: 19802108k total, 0k used, 19802108k free, 340460k cached

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

top - 18:43:16 up 2:20, 4 users, load average: 1.13, 0.82, 0.44
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.1%us, 0.0%sy, 0.0%ni, 75.1%id, 0.0%wa, 0.0%hi, 24.8%si, 0.0%st
Mem: 8148056k total, 654720k used, 7493336k free, 109720k buffers
Swap: 19802108k total, 0k used, 19802108k free, 340460k cached

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

top - 18:43:19 up 2:21, 4 users, load average: 1.13, 0.82, 0.44
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.0%us, 0.1%sy, 0.0%ni, 74.5%id, 0.3%wa, 0.0%hi, 25.1%si, 0.0%st
Mem: 8148056k total, 654720k used, 7493336k free, 109728k buffers
Swap: 19802108k total, 0k used, 19802108k free, 340460k cached

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

top - 18:43:22 up 2:21, 4 users, load average: 1.12, 0.83, 0.44
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.0%us, 0.0%sy, 0.0%ni, 75.1%id, 0.0%wa, 0.0%hi, 24.9%si, 0.0%st

Mem: 8148056k total, 654720k used, 7493336k free, 109728k buffers
Swap: 19802108k total, 0k used, 19802108k free, 340460k cached

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

top - 18:43:25 up 2:21, 4 users, load average: 1.19, 0.84, 0.45
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.0%us, 0.0%sy, 0.0%ni, 74.5%id, 0.3%wa, 0.0%hi, 25.1%si, 0.0%st
Mem: 8148056k total, 654720k used, 7493336k free, 109736k buffers
Swap: 19802108k total, 0k used, 19802108k free, 340460k cached

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

top - 18:43:28 up 2:21, 4 users, load average: 1.19, 0.84, 0.45
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.0%us, 0.0%sy, 0.0%ni, 75.1%id, 0.0%wa, 0.0%hi, 24.9%si, 0.0%st
Mem: 8148056k total, 654720k used, 7493336k free, 109736k buffers
Swap: 19802108k total, 0k used, 19802108k free, 340464k cached

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

top - 18:43:31 up 2:21, 4 users, load average: 1.17, 0.85, 0.45
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.0%us, 0.0%sy, 0.0%ni, 74.5%id, 0.3%wa, 0.0%hi, 25.1%si, 0.0%st
Mem: 8148056k total, 654720k used, 7493336k free, 109744k buffers
Swap: 19802108k total, 0k used, 19802108k free, 340464k cached

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

top - 18:43:34 up 2:21, 4 users, load average: 1.17, 0.85, 0.45
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.0%us, 0.0%sy, 0.0%ni, 75.1%id, 0.0%wa, 0.0%hi, 24.9%si, 0.0%st
Mem: 8148056k total, 654720k used, 7493336k free, 109744k buffers
Swap: 19802108k total, 0k used, 19802108k free, 340464k cached

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

top - 18:43:37 up 2:21, 4 users, load average: 1.16, 0.85, 0.46
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.0%us, 0.0%sy, 0.0%ni, 74.5%id, 0.3%wa, 0.0%hi, 25.1%si, 0.0%st
Mem: 8148056k total, 654720k used, 7493336k free, 109752k buffers
Swap: 19802108k total, 0k used, 19802108k free, 340464k cached

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

top - 18:43:40 up 2:21, 4 users, load average: 1.14, 0.85, 0.46

```

Tasks:   1 total,    0 running,    1 sleeping,    0 stopped,    0 zombie
Cpu(s):  0.1%us,   0.0%sy,   0.0%ni,  75.0%id,   0.0%wa,   0.0%hi,  24.9%si,
0.0%st
Mem:    8148056k total,    654720k used,   7493336k free,    109752k buffers
Swap: 19802108k total,         0k used, 19802108k free,    340464k cached

```

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

```

top - 18:43:43 up  2:21,   4 users,   load average: 1.14, 0.85, 0.46
Tasks:   1 total,    0 running,    1 sleeping,    0 stopped,    0 zombie
Cpu(s):  0.0%us,   0.0%sy,   0.0%ni,  74.5%id,   0.3%wa,   0.0%hi,  25.1%si,
0.0%st
Mem:    8148056k total,    654844k used,   7493212k free,    109760k buffers
Swap: 19802108k total,         0k used, 19802108k free,    340464k cached

```

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

```

top - 18:43:46 up  2:21,   4 users,   load average: 1.13, 0.85, 0.46
Tasks:   1 total,    0 running,    1 sleeping,    0 stopped,    0 zombie
Cpu(s):  0.0%us,   0.0%sy,   0.0%ni,  75.1%id,   0.0%wa,   0.0%hi,  24.9%si,
0.0%st
Mem:    8148056k total,    654844k used,   7493212k free,    109760k buffers
Swap: 19802108k total,         0k used, 19802108k free,    340464k cached

```

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

```

top - 18:43:49 up  2:21,   4 users,   load average: 1.13, 0.85, 0.46
Tasks:   1 total,    0 running,    1 sleeping,    0 stopped,    0 zombie
Cpu(s):  0.0%us,   0.1%sy,   0.0%ni,  75.5%id,   0.3%wa,   0.0%hi,  24.1%si,
0.0%st
Mem:    8148056k total,    654844k used,   7493212k free,    109768k buffers
Swap: 19802108k total,         0k used, 19802108k free,    340464k cached

```

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

```

top - 18:43:52 up  2:21,   4 users,   load average: 1.12, 0.86, 0.46
Tasks:   1 total,    0 running,    1 sleeping,    0 stopped,    0 zombie
Cpu(s):  4.2%us,   0.3%sy,   0.0%ni,  70.5%id,   0.0%wa,   0.0%hi,  25.0%si,
0.0%st
Mem:    8148056k total,    658216k used,   7489840k free,    109768k buffers
Swap: 19802108k total,         0k used, 19802108k free,    343392k cached

```

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

```

top - 18:43:55 up  2:21,   4 users,   load average: 1.11, 0.86, 0.47
Tasks:   1 total,    0 running,    1 sleeping,    0 stopped,    0 zombie
Cpu(s):  0.0%us,   0.1%sy,   0.0%ni,  73.5%id,   0.6%wa,   0.0%hi,  25.8%si,
0.0%st
Mem:    8148056k total,    647412k used,   7500644k free,    109776k buffers
Swap: 19802108k total,         0k used, 19802108k free,    332248k cached

```

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

```

top - 18:43:58 up 2:21, 4 users, load average: 1.11, 0.86, 0.47
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.0%us, 0.0%sy, 0.0%ni, 75.7%id, 0.0%wa, 0.0%hi, 24.3%si,
0.0%st
Mem: 8148056k total, 647412k used, 7500644k free, 109776k buffers
Swap: 19802108k total, 0k used, 19802108k free, 332280k cached

```

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

```

top - 18:44:01 up 2:21, 4 users, load average: 1.10, 0.86, 0.47
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.0%us, 0.1%sy, 0.0%ni, 74.0%id, 0.4%wa, 0.0%hi, 25.5%si,
0.0%st
Mem: 8148056k total, 647348k used, 7500708k free, 109784k buffers
Swap: 19802108k total, 0k used, 19802108k free, 332300k cached

```

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

```

top - 18:44:04 up 2:21, 4 users, load average: 1.10, 0.86, 0.47
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.0%us, 0.0%sy, 0.0%ni, 74.6%id, 0.0%wa, 0.0%hi, 25.4%si,
0.0%st
Mem: 8148056k total, 647288k used, 7500768k free, 109784k buffers
Swap: 19802108k total, 0k used, 19802108k free, 332276k cached

```

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

```

top - 18:44:07 up 2:21, 4 users, load average: 1.10, 0.86, 0.47
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.0%us, 0.0%sy, 0.0%ni, 74.9%id, 0.2%wa, 0.0%hi, 24.9%si,
0.0%st
Mem: 8148056k total, 647288k used, 7500768k free, 109792k buffers
Swap: 19802108k total, 0k used, 19802108k free, 332276k cached

```

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

```

top - 18:44:10 up 2:21, 4 users, load average: 1.09, 0.87, 0.48
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.0%us, 0.0%sy, 0.0%ni, 74.9%id, 0.0%wa, 0.0%hi, 25.1%si,
0.0%st
Mem: 8148056k total, 647288k used, 7500768k free, 109792k buffers
Swap: 19802108k total, 0k used, 19802108k free, 332276k cached

```

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

```

top - 18:44:13 up 2:21, 4 users, load average: 1.09, 0.87, 0.48
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.0%us, 0.0%sy, 0.0%ni, 75.6%id, 0.3%wa, 0.0%hi, 24.1%si,
0.0%st
Mem: 8148056k total, 647288k used, 7500768k free, 109800k buffers
Swap: 19802108k total, 0k used, 19802108k free, 332280k cached

```

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

```

top - 18:44:16 up 2:21, 4 users, load average: 1.08, 0.87, 0.48
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.1%us, 0.0%sy, 0.0%ni, 74.0%id, 0.0%wa, 0.0%hi, 25.9%si, 0.0%st
Mem: 8148056k total, 647288k used, 7500768k free, 109800k buffers
Swap: 19802108k total, 0k used, 19802108k free, 332280k cached

```

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

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```
top - 18:47:19 up 2:25, 4 users, load average: 0.05, 0.48, 0.39
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.2%us, 0.1%sy, 0.1%ni, 94.1%id, 0.3%wa, 0.0%hi, 5.2%si, 0.0%st
Mem: 8148056k total, 647832k used, 7500224k free, 109816k buffers
Swap: 19802108k total, 0k used, 19802108k free, 333560k cached
```

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

```
top - 18:47:22 up 2:25, 4 users, load average: 0.05, 0.47, 0.39
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.0%us, 0.1%sy, 0.0%ni, 99.9%id, 0.0%wa, 0.0%hi, 0.0%si, 0.0%st
Mem: 8148056k total, 647220k used, 7500836k free, 109816k buffers
Swap: 19802108k total, 0k used, 19802108k free, 332348k cached
```

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

```
top - 18:47:25 up 2:25, 4 users, load average: 0.05, 0.47, 0.39
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.0%us, 0.1%sy, 0.0%ni, 99.4%id, 0.3%wa, 0.0%hi, 0.2%si, 0.0%st
Mem: 8148056k total, 647096k used, 7500960k free, 109824k buffers
Swap: 19802108k total, 0k used, 19802108k free, 332276k cached
```

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

```
top - 18:47:28 up 2:25, 4 users, load average: 0.05, 0.46, 0.39
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.0%us, 0.0%sy, 0.0%ni, 99.8%id, 0.0%wa, 0.0%hi, 0.2%si, 0.0%st
Mem: 8148056k total, 647064k used, 7500992k free, 109824k buffers
Swap: 19802108k total, 0k used, 19802108k free, 332284k cached
```

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

```
top - 18:47:31 up 2:25, 4 users, load average: 0.12, 0.47, 0.39
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.0%us, 0.0%sy, 0.0%ni, 99.6%id, 0.2%wa, 0.0%hi, 0.3%si, 0.0%st
Mem: 8148056k total, 647128k used, 7500928k free, 109832k buffers
Swap: 19802108k total, 0k used, 19802108k free, 332276k cached
```

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

```
top - 18:47:34 up 2:25, 4 users, load average: 0.12, 0.47, 0.39
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.0%us, 0.0%sy, 0.0%ni, 99.9%id, 0.0%wa, 0.0%hi, 0.1%si, 0.0%st
Mem: 8148056k total, 647064k used, 7500992k free, 109832k buffers
```

Swap: 19802108k total, 0k used, 19802108k free, 332284k cached

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

top - 18:47:37 up 2:25, 4 users, load average: 0.11, 0.46, 0.39

Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie

Cpu(s): 0.0%us, 0.1%sy, 0.0%ni, 99.7%id, 0.1%wa, 0.0%hi, 0.2%si, 0.0%st

Mem: 8148056k total, 647096k used, 7500960k free, 109840k buffers

Swap: 19802108k total, 0k used, 19802108k free, 332276k cached

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

top - 18:47:40 up 2:25, 4 users, load average: 0.11, 0.46, 0.39

Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie

Cpu(s): 0.1%us, 0.0%sy, 0.0%ni, 99.8%id, 0.0%wa, 0.0%hi, 0.1%si, 0.0%st

Mem: 8148056k total, 647128k used, 7500928k free, 109840k buffers

Swap: 19802108k total, 0k used, 19802108k free, 332284k cached

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

top - 18:47:43 up 2:25, 4 users, load average: 0.10, 0.45, 0.39

Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie

Cpu(s): 0.0%us, 0.0%sy, 0.0%ni, 99.7%id, 0.2%wa, 0.0%hi, 0.2%si, 0.0%st

Mem: 8148056k total, 647220k used, 7500836k free, 109848k buffers

Swap: 19802108k total, 0k used, 19802108k free, 332280k cached

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

top - 18:47:46 up 2:25, 4 users, load average: 0.10, 0.45, 0.39

Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie

Cpu(s): 0.0%us, 0.1%sy, 0.0%ni, 99.9%id, 0.0%wa, 0.0%hi, 0.0%si, 0.0%st

Mem: 8148056k total, 647252k used, 7500804k free, 109848k buffers

Swap: 19802108k total, 0k used, 19802108k free, 332288k cached

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

top - 18:47:49 up 2:25, 4 users, load average: 0.10, 0.45, 0.39

Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie

Cpu(s): 0.0%us, 0.1%sy, 0.0%ni, 99.6%id, 0.2%wa, 0.0%hi, 0.2%si, 0.0%st

Mem: 8148056k total, 647252k used, 7500804k free, 109856k buffers

Swap: 19802108k total, 0k used, 19802108k free, 332284k cached

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

top - 18:47:52 up 2:25, 4 users, load average: 0.09, 0.44, 0.39

Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie

```
Cpu(s):  0.1%us,  0.0%sy,  0.0%ni, 99.8%id,  0.0%wa,  0.0%hi,  0.2%si,
0.0%st
Mem:   8148056k total,   647252k used,  7500804k free,   109856k buffers
Swap: 19802108k total,         0k used, 19802108k free,   332288k cached
```

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

```
top - 18:47:55 up  2:25,  4 users,  load average: 0.09, 0.44, 0.39
Tasks:  1 total,  0 running,  1 sleeping,  0 stopped,  0 zombie
Cpu(s):  0.0%us,  0.0%sy,  0.0%ni, 99.7%id,  0.2%wa,  0.0%hi,  0.2%si,
0.0%st
Mem:   8148056k total,   647220k used,  7500836k free,   109864k buffers
Swap: 19802108k total,         0k used, 19802108k free,   332284k cached
```

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

```
top - 18:47:58 up  2:25,  4 users,  load average: 0.08, 0.43, 0.38
Tasks:  1 total,  0 running,  1 sleeping,  0 stopped,  0 zombie
Cpu(s):  0.0%us,  0.0%sy,  0.0%ni, 99.8%id,  0.0%wa,  0.0%hi,  0.2%si,
0.0%st
Mem:   8148056k total,   647188k used,  7500868k free,   109864k buffers
Swap: 19802108k total,         0k used, 19802108k free,   332288k cached
```

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

```
top - 18:48:01 up  2:25,  4 users,  load average: 0.15, 0.44, 0.39
Tasks:  1 total,  0 running,  1 sleeping,  0 stopped,  0 zombie
Cpu(s):  0.1%us,  0.1%sy,  0.0%ni, 99.4%id,  0.3%wa,  0.0%hi,  0.2%si,
0.0%st
Mem:   8148056k total,   647128k used,  7500928k free,   109872k buffers
Swap: 19802108k total,         0k used, 19802108k free,   332304k cached
```

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

```
top - 18:48:04 up  2:25,  4 users,  load average: 0.15, 0.44, 0.39
Tasks:  1 total,  0 running,  1 sleeping,  0 stopped,  0 zombie
Cpu(s):  0.0%us,  0.0%sy,  0.0%ni,100.0%id,  0.0%wa,  0.0%hi,  0.0%si,
0.0%st
Mem:   8148056k total,   647096k used,  7500960k free,   109872k buffers
Swap: 19802108k total,         0k used, 19802108k free,   332288k cached
```

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

```
top - 18:48:07 up  2:25,  4 users,  load average: 0.14, 0.43, 0.39
Tasks:  1 total,  0 running,  1 sleeping,  0 stopped,  0 zombie
Cpu(s):  0.0%us,  0.0%sy,  0.0%ni, 99.5%id,  0.3%wa,  0.0%hi,  0.2%si,
0.0%st
Mem:   8148056k total,   647160k used,  7500896k free,   109880k buffers
Swap: 19802108k total,         0k used, 19802108k free,   332288k cached
```

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

```
top - 18:48:10 up 2:25, 4 users, load average: 0.14, 0.43, 0.39
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.0%us, 0.1%sy, 0.0%ni, 99.9%id, 0.0%wa, 0.0%hi, 0.0%si,
0.0%st
Mem: 8148056k total, 647128k used, 7500928k free, 109880k buffers
Swap: 19802108k total, 0k used, 19802108k free, 332292k cached
```

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

```
top - 18:48:13 up 2:25, 4 users, load average: 0.13, 0.43, 0.38
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.1%us, 0.0%sy, 0.0%ni, 99.7%id, 0.2%wa, 0.0%hi, 0.0%si,
0.0%st
Mem: 8148056k total, 647252k used, 7500804k free, 109888k buffers
Swap: 19802108k total, 0k used, 19802108k free, 332288k cached
```

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

```
top - 18:48:16 up 2:25, 4 users, load average: 0.12, 0.42, 0.38
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.0%us, 0.1%sy, 0.0%ni, 99.8%id, 0.0%wa, 0.0%hi, 0.1%si,
0.0%st
Mem: 8148056k total, 647252k used, 7500804k free, 109888k buffers
Swap: 19802108k total, 0k used, 19802108k free, 332292k cached
```

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

```
top - 18:48:19 up 2:26, 4 users, load average: 0.12, 0.42, 0.38
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.0%us, 0.0%sy, 0.0%ni, 99.7%id, 0.1%wa, 0.0%hi, 0.3%si,
0.0%st
Mem: 8148056k total, 647188k used, 7500868k free, 109896k buffers
Swap: 19802108k total, 0k used, 19802108k free, 332288k cached
```

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

```
top - 18:48:22 up 2:26, 4 users, load average: 0.11, 0.41, 0.38
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.0%us, 0.0%sy, 0.0%ni, 100.0%id, 0.0%wa, 0.0%hi, 0.0%si,
0.0%st
Mem: 8148056k total, 647252k used, 7500804k free, 109896k buffers
Swap: 19802108k total, 0k used, 19802108k free, 332292k cached
```

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

```
top - 18:48:25 up 2:26, 4 users, load average: 0.11, 0.41, 0.38
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.0%us, 0.1%sy, 0.0%ni, 99.3%id, 0.3%wa, 0.0%hi, 0.3%si,
0.0%st
Mem: 8148056k total, 647188k used, 7500868k free, 109904k buffers
Swap: 19802108k total, 0k used, 19802108k free, 332284k cached
```



```

PID USER      PR  NI  VIRT  RES  SHR S %CPU %MEM    TIME+  COMMAND
  1 root        20   0  2880 1700 1220 S    0  0.0   0:01.00  init

top - 18:48:28 up  2:26,  4 users,  load average: 0.10, 0.41, 0.38
Tasks:  1 total,   0 running,   1 sleeping,   0 stopped,   0 zombie
Cpu(s):  0.1%us,  0.1%sy,  0.0%ni, 99.7%id,  0.0%wa,  0.0%hi,  0.2%si,
0.0%st
Mem:   8148056k total,   647220k used,   7500836k free,   109904k buffers
Swap: 19802108k total,    0k used, 19802108k free,   332292k cached

PID USER      PR  NI  VIRT  RES  SHR S %CPU %MEM    TIME+  COMMAND
  1 root        20   0  2880 1700 1220 S    0  0.0   0:01.00  init

top - 18:48:31 up  2:26,  4 users,  load average: 0.09, 0.40, 0.38
Tasks:  1 total,   0 running,   1 sleeping,   0 stopped,   0 zombie
Cpu(s):  0.0%us,  0.1%sy,  0.0%ni, 99.4%id,  0.3%wa,  0.0%hi,  0.2%si,
0.0%st
Mem:   8148056k total,   647252k used,   7500804k free,   109912k buffers
Swap: 19802108k total,    0k used, 19802108k free,   332292k cached

PID USER      PR  NI  VIRT  RES  SHR S %CPU %MEM    TIME+  COMMAND
  1 root        20   0  2880 1700 1220 S    0  0.0   0:01.00  init

top - 18:48:34 up  2:26,  4 users,  load average: 0.09, 0.40, 0.38
Tasks:  1 total,   0 running,   1 sleeping,   0 stopped,   0 zombie
Cpu(s):  0.0%us,  0.0%sy,  0.0%ni,100.0%id,  0.0%wa,  0.0%hi,  0.0%si,
0.0%st
Mem:   8148056k total,   647252k used,   7500804k free,   109912k buffers
Swap: 19802108k total,    0k used, 19802108k free,   332296k cached

PID USER      PR  NI  VIRT  RES  SHR S %CPU %MEM    TIME+  COMMAND
  1 root        20   0  2880 1700 1220 S    0  0.0   0:01.00  init

top - 18:48:37 up  2:26,  4 users,  load average: 0.09, 0.39, 0.37
Tasks:  1 total,   0 running,   1 sleeping,   0 stopped,   0 zombie
Cpu(s):  0.0%us,  0.1%sy,  0.0%ni, 99.6%id,  0.2%wa,  0.0%hi,  0.2%si,
0.0%st
Mem:   8148056k total,   647188k used,   7500868k free,   109920k buffers
Swap: 19802108k total,    0k used, 19802108k free,   332288k cached

PID USER      PR  NI  VIRT  RES  SHR S %CPU %MEM    TIME+  COMMAND
  1 root        20   0  2880 1700 1220 S    0  0.0   0:01.00  init

top - 18:48:40 up  2:26,  4 users,  load average: 0.09, 0.39, 0.37
Tasks:  1 total,   0 running,   1 sleeping,   0 stopped,   0 zombie
Cpu(s):  0.1%us,  0.0%sy,  0.0%ni, 99.9%id,  0.0%wa,  0.0%hi,  0.0%si,
0.0%st
Mem:   8148056k total,   647220k used,   7500836k free,   109920k buffers
Swap: 19802108k total,    0k used, 19802108k free,   332296k cached

PID USER      PR  NI  VIRT  RES  SHR S %CPU %MEM    TIME+  COMMAND
  1 root        20   0  2880 1700 1220 S    0  0.0   0:01.00  init

top - 18:48:43 up  2:26,  4 users,  load average: 0.08, 0.39, 0.37
Tasks:  1 total,   0 running,   1 sleeping,   0 stopped,   0 zombie
Cpu(s):  0.0%us,  0.1%sy,  0.0%ni, 99.7%id,  0.1%wa,  0.0%hi,  0.2%si,
0.0%st

```

Mem: 8148056k total, 647252k used, 7500804k free, 109928k buffers
Swap: 19802108k total, 0k used, 19802108k free, 332288k cached

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

top - 18:48:46 up 2:26, 4 users, load average: 0.07, 0.38, 0.37
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.0%us, 0.1%sy, 0.0%ni, 99.7%id, 0.0%wa, 0.0%hi, 0.2%si, 0.0%st
Mem: 8148056k total, 647188k used, 7500868k free, 109928k buffers
Swap: 19802108k total, 0k used, 19802108k free, 332296k cached

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

top - 18:48:49 up 2:26, 4 users, load average: 0.07, 0.38, 0.37
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.1%us, 0.0%sy, 0.0%ni, 99.6%id, 0.2%wa, 0.0%hi, 0.2%si, 0.0%st
Mem: 8148056k total, 647284k used, 7500772k free, 109936k buffers
Swap: 19802108k total, 0k used, 19802108k free, 332288k cached

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

top - 18:48:52 up 2:26, 4 users, load average: 0.07, 0.37, 0.37
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.0%us, 0.0%sy, 0.0%ni, 99.8%id, 0.0%wa, 0.0%hi, 0.2%si, 0.0%st
Mem: 8148056k total, 647252k used, 7500804k free, 109936k buffers
Swap: 19802108k total, 0k used, 19802108k free, 332296k cached

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

top - 18:48:55 up 2:26, 4 users, load average: 0.07, 0.37, 0.37
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.0%us, 0.0%sy, 0.0%ni, 99.8%id, 0.2%wa, 0.0%hi, 0.0%si, 0.0%st
Mem: 8148056k total, 647188k used, 7500868k free, 109944k buffers
Swap: 19802108k total, 0k used, 19802108k free, 332292k cached

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

top - 18:48:58 up 2:26, 4 users, load average: 0.06, 0.37, 0.37
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.0%us, 0.0%sy, 0.0%ni, 99.9%id, 0.0%wa, 0.0%hi, 0.1%si, 0.0%st
Mem: 8148056k total, 647220k used, 7500836k free, 109944k buffers
Swap: 19802108k total, 0k used, 19802108k free, 332300k cached

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

top - 18:49:01 up 2:26, 4 users, load average: 0.06, 0.36, 0.36

```

Tasks:   1 total,    0 running,    1 sleeping,    0 stopped,    0 zombie
Cpu(s):  0.1%us,   0.0%sy,   0.0%ni, 99.3%id,   0.4%wa,   0.0%hi,   0.2%si,
0.0%st
Mem:   8148056k total,   647252k used,   7500804k free,   109952k buffers
Swap: 19802108k total,    0k used, 19802108k free,   332316k cached

```

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

```

top - 18:49:04 up 2:26, 4 users, load average: 0.06, 0.36, 0.36
Tasks:   1 total,    0 running,    1 sleeping,    0 stopped,    0 zombie
Cpu(s):  0.0%us,   0.0%sy,   0.0%ni, 99.8%id,   0.0%wa,   0.0%hi,   0.2%si,
0.0%st
Mem:   8148056k total,   647220k used,   7500836k free,   109952k buffers
Swap: 19802108k total,    0k used, 19802108k free,   332300k cached

```

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

```

top - 18:49:07 up 2:26, 4 users, load average: 0.05, 0.35, 0.36
Tasks:   1 total,    0 running,    1 sleeping,    0 stopped,    0 zombie
Cpu(s):  0.0%us,   0.1%sy,   0.0%ni, 99.3%id,   0.3%wa,   0.0%hi,   0.3%si,
0.0%st
Mem:   8148056k total,   647220k used,   7500836k free,   109960k buffers
Swap: 19802108k total,    0k used, 19802108k free,   332292k cached

```

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

```

top - 18:49:10 up 2:26, 4 users, load average: 0.05, 0.35, 0.36
Tasks:   1 total,    0 running,    1 sleeping,    0 stopped,    0 zombie
Cpu(s):  0.1%us,   0.1%sy,   0.0%ni, 99.7%id,   0.0%wa,   0.0%hi,   0.2%si,
0.0%st
Mem:   8148056k total,   647252k used,   7500804k free,   109960k buffers
Swap: 19802108k total,    0k used, 19802108k free,   332300k cached

```

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

```

top - 18:49:13 up 2:26, 4 users, load average: 0.05, 0.35, 0.36
Tasks:   1 total,    0 running,    1 sleeping,    0 stopped,    0 zombie
Cpu(s):  0.0%us,   0.1%sy,   0.0%ni, 99.5%id,   0.3%wa,   0.0%hi,   0.2%si,
0.0%st
Mem:   8148056k total,   647220k used,   7500836k free,   109968k buffers
Swap: 19802108k total,    0k used, 19802108k free,   332292k cached

```

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

```

top - 18:49:16 up 2:26, 4 users, load average: 0.04, 0.34, 0.36
Tasks:   1 total,    0 running,    1 sleeping,    0 stopped,    0 zombie
Cpu(s):  0.0%us,   0.0%sy,   0.0%ni, 99.8%id,   0.0%wa,   0.0%hi,   0.2%si,
0.0%st
Mem:   8148056k total,   647220k used,   7500836k free,   109968k buffers
Swap: 19802108k total,    0k used, 19802108k free,   332300k cached

```

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

```
top - 18:49:19 up 2:27, 4 users, load average: 0.04, 0.34, 0.36
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.0%us, 0.1%sy, 0.0%ni, 99.5%id, 0.3%wa, 0.0%hi, 0.2%si,
0.0%st
Mem: 8148056k total, 647252k used, 7500804k free, 109976k buffers
Swap: 19802108k total, 0k used, 19802108k free, 332296k cached
```

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

```
top - 18:49:22 up 2:27, 4 users, load average: 0.04, 0.34, 0.36
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.1%us, 0.0%sy, 0.0%ni, 99.8%id, 0.0%wa, 0.0%hi, 0.1%si,
0.0%st
Mem: 8148056k total, 647188k used, 7500868k free, 109976k buffers
Swap: 19802108k total, 0k used, 19802108k free, 332304k cached
```

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

```
top - 18:49:25 up 2:27, 4 users, load average: 0.04, 0.34, 0.36
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.0%us, 0.1%sy, 0.0%ni, 99.6%id, 0.2%wa, 0.0%hi, 0.2%si,
0.0%st
Mem: 8148056k total, 647252k used, 7500804k free, 109984k buffers
Swap: 19802108k total, 0k used, 19802108k free, 332296k cached
```

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

```
top - 18:49:28 up 2:27, 4 users, load average: 0.04, 0.33, 0.35
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.0%us, 0.0%sy, 0.0%ni, 99.9%id, 0.0%wa, 0.0%hi, 0.1%si,
0.0%st
Mem: 8148056k total, 647220k used, 7500836k free, 109984k buffers
Swap: 19802108k total, 0k used, 19802108k free, 332304k cached
```

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

```
top - 18:49:31 up 2:27, 4 users, load average: 0.03, 0.33, 0.35
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.0%us, 0.1%sy, 0.0%ni, 99.4%id, 0.3%wa, 0.0%hi, 0.2%si,
0.0%st
Mem: 8148056k total, 647220k used, 7500836k free, 109992k buffers
Swap: 19802108k total, 0k used, 19802108k free, 332296k cached
```

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

```
top - 18:49:34 up 2:27, 4 users, load average: 0.03, 0.33, 0.35
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.0%us, 0.0%sy, 0.0%ni, 99.8%id, 0.0%wa, 0.0%hi, 0.2%si,
0.0%st
Mem: 8148056k total, 647220k used, 7500836k free, 109992k buffers
Swap: 19802108k total, 0k used, 19802108k free, 332304k cached
```

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

top - 18:49:37 up 2:27, 4 users, load average: 0.03, 0.32, 0.35
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.0%us, 0.0%sy, 0.0%ni, 99.7%id, 0.2%wa, 0.0%hi, 0.1%si, 0.0%st
Mem: 8148056k total, 647252k used, 7500804k free, 110000k buffers
Swap: 19802108k total, 0k used, 19802108k free, 332296k cached

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

top - 18:49:40 up 2:27, 4 users, load average: 0.03, 0.32, 0.35
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.0%us, 0.0%sy, 0.0%ni, 99.8%id, 0.0%wa, 0.0%hi, 0.2%si, 0.0%st
Mem: 8148056k total, 647188k used, 7500868k free, 110000k buffers
Swap: 19802108k total, 0k used, 19802108k free, 332308k cached

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

top - 18:49:43 up 2:27, 4 users, load average: 0.03, 0.32, 0.35
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.1%us, 0.1%sy, 0.0%ni, 99.4%id, 0.3%wa, 0.0%hi, 0.1%si, 0.0%st
Mem: 8148056k total, 647188k used, 7500868k free, 110008k buffers
Swap: 19802108k total, 0k used, 19802108k free, 332300k cached

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

top - 18:49:46 up 2:27, 4 users, load average: 0.03, 0.31, 0.35
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.0%us, 0.0%sy, 0.0%ni, 100.0%id, 0.0%wa, 0.0%hi, 0.0%si, 0.0%st
Mem: 8148056k total, 647252k used, 7500804k free, 110008k buffers
Swap: 19802108k total, 0k used, 19802108k free, 332308k cached

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

top - 18:49:49 up 2:27, 4 users, load average: 0.03, 0.31, 0.35
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.0%us, 0.0%sy, 0.0%ni, 99.6%id, 0.1%wa, 0.0%hi, 0.3%si, 0.0%st
Mem: 8148056k total, 647344k used, 7500712k free, 110016k buffers
Swap: 19802108k total, 0k used, 19802108k free, 332300k cached

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

top - 18:49:52 up 2:27, 4 users, load average: 0.02, 0.31, 0.34
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie

```
Cpu(s):  0.0%us,  0.0%sy,  0.0%ni,100.0%id,  0.0%wa,  0.0%hi,  0.0%si,
0.0%st
Mem:   8148056k total,   647344k used,  7500712k free,   110016k buffers
Swap: 19802108k total,         0k used, 19802108k free,   332308k cached
```

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

```
top - 18:49:55 up  2:27,  4 users,  load average: 0.02, 0.31, 0.34
Tasks:  1 total,  0 running,  1 sleeping,  0 stopped,  0 zombie
Cpu(s):  0.0%us,  0.0%sy,  0.0%ni, 99.6%id,  0.2%wa,  0.0%hi,  0.3%si,
0.0%st
Mem:   8148056k total,   647376k used,  7500680k free,   110024k buffers
Swap: 19802108k total,         0k used, 19802108k free,   332300k cached
```

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

```
top - 18:49:58 up  2:27,  4 users,  load average: 0.02, 0.30, 0.34
Tasks:  1 total,  0 running,  1 sleeping,  0 stopped,  0 zombie
Cpu(s):  0.0%us,  0.0%sy,  0.0%ni, 99.9%id,  0.0%wa,  0.0%hi,  0.1%si,
0.0%st
Mem:   8148056k total,   647344k used,  7500712k free,   110024k buffers
Swap: 19802108k total,         0k used, 19802108k free,   332308k cached
```

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

```
top - 18:50:01 up  2:27,  4 users,  load average: 0.02, 0.30, 0.34
Tasks:  1 total,  0 running,  1 sleeping,  0 stopped,  0 zombie
Cpu(s):  0.2%us,  0.2%sy,  0.0%ni, 99.2%id,  0.3%wa,  0.0%hi,  0.1%si,
0.0%st
Mem:   8148056k total,   647312k used,  7500744k free,   110032k buffers
Swap: 19802108k total,         0k used, 19802108k free,   332324k cached
```

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

```
top - 18:50:04 up  2:27,  4 users,  load average: 0.02, 0.30, 0.34
Tasks:  1 total,  0 running,  1 sleeping,  0 stopped,  0 zombie
Cpu(s):  0.0%us,  0.0%sy,  0.0%ni, 99.8%id,  0.0%wa,  0.0%hi,  0.2%si,
0.0%st
Mem:   8148056k total,   647376k used,  7500680k free,   110032k buffers
Swap: 19802108k total,         0k used, 19802108k free,   332312k cached
```

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

```
top - 18:50:07 up  2:27,  4 users,  load average: 0.02, 0.29, 0.34
Tasks:  1 total,  0 running,  1 sleeping,  0 stopped,  0 zombie
Cpu(s):  0.1%us,  0.0%sy,  0.0%ni, 99.5%id,  0.2%wa,  0.0%hi,  0.2%si,
0.0%st
Mem:   8148056k total,   647312k used,  7500744k free,   110040k buffers
Swap: 19802108k total,         0k used, 19802108k free,   332304k cached
```

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

```
top - 18:50:10 up 2:27, 4 users, load average: 0.02, 0.29, 0.34
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.0%us, 0.0%sy, 0.0%ni, 99.8%id, 0.0%wa, 0.0%hi, 0.2%si,
0.0%st
Mem: 8148056k total, 647312k used, 7500744k free, 110040k buffers
Swap: 19802108k total, 0k used, 19802108k free, 332312k cached
```

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

```
top - 18:50:13 up 2:27, 4 users, load average: 0.02, 0.29, 0.34
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.0%us, 0.0%sy, 0.0%ni, 99.8%id, 0.2%wa, 0.0%hi, 0.0%si,
0.0%st
Mem: 8148056k total, 647344k used, 7500712k free, 110048k buffers
Swap: 19802108k total, 0k used, 19802108k free, 332304k cached
```

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

```
top - 18:50:16 up 2:27, 4 users, load average: 0.02, 0.28, 0.33
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.1%us, 0.0%sy, 0.0%ni, 99.8%id, 0.0%wa, 0.0%hi, 0.2%si,
0.0%st
Mem: 8148056k total, 647312k used, 7500744k free, 110048k buffers
Swap: 19802108k total, 0k used, 19802108k free, 332312k cached
```

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

```
top - 18:50:19 up 2:28, 4 users, load average: 0.02, 0.28, 0.33
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.0%us, 0.1%sy, 0.0%ni, 99.7%id, 0.2%wa, 0.0%hi, 0.1%si,
0.0%st
Mem: 8148056k total, 647376k used, 7500680k free, 110056k buffers
Swap: 19802108k total, 0k used, 19802108k free, 332304k cached
```

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

```
top - 18:50:22 up 2:28, 4 users, load average: 0.02, 0.28, 0.33
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.0%us, 0.1%sy, 0.0%ni, 99.8%id, 0.0%wa, 0.0%hi, 0.1%si,
0.0%st
Mem: 8148056k total, 647376k used, 7500680k free, 110056k buffers
Swap: 19802108k total, 0k used, 19802108k free, 332312k cached
```

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

```
top - 18:50:25 up 2:28, 4 users, load average: 0.02, 0.28, 0.33
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.0%us, 0.0%sy, 0.0%ni, 99.7%id, 0.3%wa, 0.0%hi, 0.1%si,
0.0%st
Mem: 8148056k total, 647312k used, 7500744k free, 110064k buffers
Swap: 19802108k total, 0k used, 19802108k free, 332304k cached
```

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

top - 18:50:28 up 2:28, 4 users, load average: 0.01, 0.27, 0.33
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.1%us, 0.0%sy, 0.0%ni, 99.8%id, 0.0%wa, 0.0%hi, 0.1%si, 0.0%st
Mem: 8148056k total, 647376k used, 7500680k free, 110064k buffers
Swap: 19802108k total, 0k used, 19802108k free, 332316k cached

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

top - 18:50:31 up 2:28, 4 users, load average: 0.01, 0.27, 0.33
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.0%us, 0.1%sy, 0.0%ni, 99.5%id, 0.3%wa, 0.0%hi, 0.2%si, 0.0%st
Mem: 8148056k total, 647248k used, 7500808k free, 110072k buffers
Swap: 19802108k total, 0k used, 19802108k free, 332308k cached

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

top - 18:50:34 up 2:28, 4 users, load average: 0.01, 0.27, 0.33
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.0%us, 0.1%sy, 0.0%ni, 99.8%id, 0.0%wa, 0.0%hi, 0.1%si, 0.0%st
Mem: 8148056k total, 647344k used, 7500712k free, 110072k buffers
Swap: 19802108k total, 0k used, 19802108k free, 332316k cached

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

top - 18:50:37 up 2:28, 4 users, load average: 0.01, 0.26, 0.33
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.0%us, 0.0%sy, 0.0%ni, 99.7%id, 0.2%wa, 0.0%hi, 0.1%si, 0.0%st
Mem: 8148056k total, 647376k used, 7500680k free, 110080k buffers
Swap: 19802108k total, 0k used, 19802108k free, 332308k cached

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

top - 18:50:40 up 2:28, 4 users, load average: 0.01, 0.26, 0.33
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.0%us, 0.1%sy, 0.0%ni, 99.7%id, 0.0%wa, 0.0%hi, 0.2%si, 0.0%st
Mem: 8148056k total, 647376k used, 7500680k free, 110080k buffers
Swap: 19802108k total, 0k used, 19802108k free, 332316k cached

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

top - 18:50:43 up 2:28, 4 users, load average: 0.01, 0.26, 0.33
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.0%us, 0.0%sy, 0.0%ni, 99.6%id, 0.3%wa, 0.0%hi, 0.1%si, 0.0%st

Mem: 8148056k total, 647344k used, 7500712k free, 110088k buffers
Swap: 19802108k total, 0k used, 19802108k free, 332308k cached

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

top - 18:50:46 up 2:28, 4 users, load average: 0.01, 0.25, 0.32
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.0%us, 0.0%sy, 0.0%ni, 100.0%id, 0.0%wa, 0.0%hi, 0.0%si, 0.0%st
Mem: 8148056k total, 647344k used, 7500712k free, 110088k buffers
Swap: 19802108k total, 0k used, 19802108k free, 332316k cached

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

top - 18:50:49 up 2:28, 4 users, load average: 0.01, 0.25, 0.32
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.0%us, 0.0%sy, 0.0%ni, 99.7%id, 0.2%wa, 0.0%hi, 0.1%si, 0.0%st
Mem: 8148056k total, 647344k used, 7500712k free, 110096k buffers
Swap: 19802108k total, 0k used, 19802108k free, 332308k cached

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

top - 18:50:52 up 2:28, 4 users, load average: 0.01, 0.25, 0.32
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.0%us, 0.1%sy, 0.0%ni, 99.9%id, 0.0%wa, 0.0%hi, 0.0%si, 0.0%st
Mem: 8148056k total, 647312k used, 7500744k free, 110096k buffers
Swap: 19802108k total, 0k used, 19802108k free, 332320k cached

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

top - 18:50:55 up 2:28, 4 users, load average: 0.01, 0.25, 0.32
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.0%us, 0.1%sy, 0.0%ni, 99.6%id, 0.2%wa, 0.0%hi, 0.1%si, 0.0%st
Mem: 8148056k total, 647344k used, 7500712k free, 110104k buffers
Swap: 19802108k total, 0k used, 19802108k free, 332312k cached

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

top - 18:50:58 up 2:28, 4 users, load average: 0.01, 0.25, 0.32
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.0%us, 0.1%sy, 0.0%ni, 99.8%id, 0.0%wa, 0.0%hi, 0.1%si, 0.0%st
Mem: 8148056k total, 647344k used, 7500712k free, 110104k buffers
Swap: 19802108k total, 0k used, 19802108k free, 332320k cached

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

top - 18:51:01 up 2:28, 4 users, load average: 0.01, 0.24, 0.32

```

Tasks:   1 total,    0 running,    1 sleeping,    0 stopped,    0 zombie
Cpu(s):  0.2%us,   0.0%sy,   0.0%ni, 99.5%id,   0.3%wa,   0.0%hi,   0.0%si,
0.0%st
Mem:   8148056k total,   647376k used,   7500680k free,   110112k buffers
Swap: 19802108k total,    0k used, 19802108k free,   332336k cached

```

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

```

top - 18:51:04 up  2:28,   4 users,   load average: 0.01, 0.24, 0.32
Tasks:   1 total,    0 running,    1 sleeping,    0 stopped,    0 zombie
Cpu(s):  0.0%us,   0.0%sy,   0.0%ni, 99.8%id,   0.0%wa,   0.0%hi,   0.2%si,
0.0%st
Mem:   8148056k total,   647344k used,   7500712k free,   110112k buffers
Swap: 19802108k total,    0k used, 19802108k free,   332320k cached

```

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

```

top - 18:51:07 up  2:28,   4 users,   load average: 0.01, 0.24, 0.32
Tasks:   1 total,    0 running,    1 sleeping,    0 stopped,    0 zombie
Cpu(s):  0.1%us,   0.1%sy,   0.0%ni, 99.5%id,   0.2%wa,   0.0%hi,   0.1%si,
0.0%st
Mem:   8148056k total,   647312k used,   7500744k free,   110120k buffers
Swap: 19802108k total,    0k used, 19802108k free,   332312k cached

```

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

```

top - 18:51:10 up  2:28,   4 users,   load average: 0.01, 0.24, 0.32
Tasks:   1 total,    0 running,    1 sleeping,    0 stopped,    0 zombie
Cpu(s):  0.0%us,   0.1%sy,   0.0%ni, 99.8%id,   0.0%wa,   0.0%hi,   0.1%si,
0.0%st
Mem:   8148056k total,   647312k used,   7500744k free,   110120k buffers
Swap: 19802108k total,    0k used, 19802108k free,   332320k cached

```

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

```

top - 18:51:13 up  2:28,   4 users,   load average: 0.01, 0.23, 0.31
Tasks:   1 total,    0 running,    1 sleeping,    0 stopped,    0 zombie
Cpu(s):  0.1%us,   0.0%sy,   0.0%ni, 99.4%id,   0.2%wa,   0.0%hi,   0.2%si,
0.0%st
Mem:   8148056k total,   647376k used,   7500680k free,   110128k buffers
Swap: 19802108k total,    0k used, 19802108k free,   332312k cached

```

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

```

top - 18:51:16 up  2:28,   4 users,   load average: 0.01, 0.23, 0.31
Tasks:   1 total,    0 running,    1 sleeping,    0 stopped,    0 zombie
Cpu(s):  0.0%us,   0.0%sy,   0.0%ni, 99.9%id,   0.0%wa,   0.0%hi,   0.1%si,
0.0%st
Mem:   8148056k total,   647376k used,   7500680k free,   110128k buffers
Swap: 19802108k total,    0k used, 19802108k free,   332324k cached

```

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

```
top - 18:51:19 up 2:29, 4 users, load average: 0.01, 0.23, 0.31
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.0%us, 0.0%sy, 0.0%ni, 99.5%id, 0.3%wa, 0.0%hi, 0.2%si, 0.0%st
Mem: 8148056k total, 647436k used, 7500620k free, 110136k buffers
Swap: 19802108k total, 0k used, 19802108k free, 332316k cached
```

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

```
top - 18:51:22 up 2:29, 4 users, load average: 0.01, 0.23, 0.31
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.0%us, 0.1%sy, 0.0%ni, 99.8%id, 0.0%wa, 0.0%hi, 0.1%si, 0.0%st
Mem: 8148056k total, 647436k used, 7500620k free, 110136k buffers
Swap: 19802108k total, 0k used, 19802108k free, 332324k cached
```

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

```
top - 18:51:25 up 2:29, 4 users, load average: 0.01, 0.23, 0.31
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.0%us, 0.0%sy, 0.0%ni, 99.8%id, 0.2%wa, 0.0%hi, 0.1%si, 0.0%st
Mem: 8148056k total, 647468k used, 7500588k free, 110144k buffers
Swap: 19802108k total, 0k used, 19802108k free, 332316k cached
```

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

```
top - 18:51:28 up 2:29, 4 users, load average: 0.01, 0.22, 0.31
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.0%us, 0.1%sy, 0.0%ni, 99.8%id, 0.0%wa, 0.0%hi, 0.1%si, 0.0%st
Mem: 8148056k total, 647468k used, 7500588k free, 110144k buffers
Swap: 19802108k total, 0k used, 19802108k free, 332324k cached
```

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

```
top - 18:51:31 up 2:29, 4 users, load average: 0.00, 0.22, 0.31
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.1%us, 0.0%sy, 0.0%ni, 99.6%id, 0.2%wa, 0.0%hi, 0.2%si, 0.0%st
Mem: 8148056k total, 647560k used, 7500496k free, 110152k buffers
Swap: 19802108k total, 0k used, 19802108k free, 332316k cached
```

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

```
top - 18:51:34 up 2:29, 4 users, load average: 0.00, 0.22, 0.31
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.0%us, 0.0%sy, 0.0%ni, 99.7%id, 0.0%wa, 0.0%hi, 0.3%si, 0.0%st
Mem: 8148056k total, 647592k used, 7500464k free, 110152k buffers
Swap: 19802108k total, 0k used, 19802108k free, 332324k cached
```

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

top - 18:51:37 up 2:29, 4 users, load average: 0.00, 0.21, 0.31
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.1%us, 0.2%sy, 0.0%ni, 99.4%id, 0.2%wa, 0.0%hi, 0.1%si, 0.0%st
Mem: 8148056k total, 647560k used, 7500496k free, 110160k buffers
Swap: 19802108k total, 0k used, 19802108k free, 332320k cached

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

top - 18:51:40 up 2:29, 4 users, load average: 0.00, 0.21, 0.31
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.0%us, 0.0%sy, 0.0%ni, 99.8%id, 0.0%wa, 0.0%hi, 0.2%si, 0.0%st
Mem: 8148056k total, 647592k used, 7500464k free, 110160k buffers
Swap: 19802108k total, 0k used, 19802108k free, 332328k cached

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

top - 18:51:43 up 2:29, 4 users, load average: 0.00, 0.21, 0.31
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.1%us, 0.1%sy, 0.0%ni, 99.3%id, 0.2%wa, 0.0%hi, 0.3%si, 0.0%st
Mem: 8148056k total, 647656k used, 7500400k free, 110168k buffers
Swap: 19802108k total, 0k used, 19802108k free, 332320k cached

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

top - 18:51:46 up 2:29, 4 users, load average: 0.00, 0.21, 0.30
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.0%us, 0.0%sy, 0.0%ni, 99.9%id, 0.0%wa, 0.0%hi, 0.1%si, 0.0%st
Mem: 8148056k total, 647624k used, 7500432k free, 110168k buffers
Swap: 19802108k total, 0k used, 19802108k free, 332328k cached

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

top - 18:51:49 up 2:29, 4 users, load average: 0.00, 0.21, 0.30
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.1%us, 0.1%sy, 0.0%ni, 99.4%id, 0.3%wa, 0.0%hi, 0.2%si, 0.0%st
Mem: 8148056k total, 647592k used, 7500464k free, 110176k buffers
Swap: 19802108k total, 0k used, 19802108k free, 332320k cached

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

top - 18:51:52 up 2:29, 4 users, load average: 0.00, 0.20, 0.30
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie

```
Cpu(s):  0.0%us,  0.0%sy,  0.0%ni,100.0%id,  0.0%wa,  0.0%hi,  0.0%si,
0.0%st
Mem:   8148056k total,   647560k used,  7500496k free,   110176k buffers
Swap: 19802108k total,         0k used, 19802108k free,   332328k cached
```

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

```
top - 18:51:55 up  2:29,  4 users,  load average: 0.00, 0.20, 0.30
Tasks:  1 total,  0 running,  1 sleeping,  0 stopped,  0 zombie
Cpu(s):  0.0%us,  0.2%sy,  0.0%ni, 99.2%id,  0.3%wa,  0.0%hi,  0.3%si,
0.0%st
Mem:   8148056k total,   647624k used,  7500432k free,   110184k buffers
Swap: 19802108k total,         0k used, 19802108k free,   332320k cached
```

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

```
top - 18:51:58 up  2:29,  4 users,  load average: 0.00, 0.20, 0.30
Tasks:  1 total,  0 running,  1 sleeping,  0 stopped,  0 zombie
Cpu(s):  0.0%us,  0.0%sy,  0.0%ni, 99.9%id,  0.0%wa,  0.0%hi,  0.1%si,
0.0%st
Mem:   8148056k total,   647592k used,  7500464k free,   110184k buffers
Swap: 19802108k total,         0k used, 19802108k free,   332328k cached
```

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

```
top - 18:52:01 up  2:29,  4 users,  load average: 0.00, 0.20, 0.30
Tasks:  1 total,  0 running,  1 sleeping,  0 stopped,  0 zombie
Cpu(s):  0.0%us,  0.1%sy,  0.0%ni, 99.5%id,  0.3%wa,  0.0%hi,  0.1%si,
0.0%st
Mem:   8148056k total,   647592k used,  7500464k free,   110192k buffers
Swap: 19802108k total,         0k used, 19802108k free,   332348k cached
```

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

```
top - 18:52:04 up  2:29,  4 users,  load average: 0.00, 0.20, 0.30
Tasks:  1 total,  0 running,  1 sleeping,  0 stopped,  0 zombie
Cpu(s):  0.1%us,  0.0%sy,  0.0%ni, 99.7%id,  0.0%wa,  0.0%hi,  0.2%si,
0.0%st
Mem:   8148056k total,   647624k used,  7500432k free,   110192k buffers
Swap: 19802108k total,         0k used, 19802108k free,   332332k cached
```

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

```
top - 18:52:07 up  2:29,  4 users,  load average: 0.00, 0.19, 0.30
Tasks:  1 total,  0 running,  1 sleeping,  0 stopped,  0 zombie
Cpu(s):  0.0%us,  0.1%sy,  0.0%ni, 99.8%id,  0.1%wa,  0.0%hi,  0.1%si,
0.0%st
Mem:   8148056k total,   647624k used,  7500432k free,   110200k buffers
Swap: 19802108k total,         0k used, 19802108k free,   332324k cached
```

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

```
top - 18:52:10 up 2:29, 4 users, load average: 0.00, 0.19, 0.30
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.0%us, 0.0%sy, 0.0%ni, 99.9%id, 0.0%wa, 0.0%hi, 0.1%si,
0.0%st
Mem: 8148056k total, 647624k used, 7500432k free, 110200k buffers
Swap: 19802108k total, 0k used, 19802108k free, 332332k cached
```

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

```
top - 18:52:13 up 2:29, 4 users, load average: 0.00, 0.19, 0.30
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.0%us, 0.1%sy, 0.0%ni, 99.6%id, 0.3%wa, 0.0%hi, 0.1%si,
0.0%st
Mem: 8148056k total, 647560k used, 7500496k free, 110208k buffers
Swap: 19802108k total, 0k used, 19802108k free, 332324k cached
```

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

```
top - 18:52:16 up 2:29, 4 users, load average: 0.00, 0.19, 0.30
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.1%us, 0.0%sy, 0.0%ni, 99.8%id, 0.0%wa, 0.0%hi, 0.1%si,
0.0%st
Mem: 8148056k total, 647592k used, 7500464k free, 110208k buffers
Swap: 19802108k total, 0k used, 19802108k free, 332332k cached
```

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

```
top - 18:52:19 up 2:30, 4 users, load average: 0.00, 0.19, 0.30
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.0%us, 1.2%sy, 0.0%ni, 98.2%id, 0.3%wa, 0.0%hi, 0.3%si,
0.0%st
Mem: 8148056k total, 647624k used, 7500432k free, 110216k buffers
Swap: 19802108k total, 0k used, 19802108k free, 332328k cached
```

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

```
top - 18:52:22 up 2:30, 4 users, load average: 0.00, 0.18, 0.29
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.1%us, 0.1%sy, 0.0%ni, 99.8%id, 0.0%wa, 0.0%hi, 0.0%si,
0.0%st
Mem: 8148056k total, 647624k used, 7500432k free, 110216k buffers
Swap: 19802108k total, 0k used, 19802108k free, 332332k cached
```

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

```
top - 18:52:25 up 2:30, 4 users, load average: 0.00, 0.18, 0.29
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.1%us, 0.1%sy, 0.0%ni, 99.3%id, 0.4%wa, 0.0%hi, 0.1%si,
0.0%st
Mem: 8148056k total, 647560k used, 7500496k free, 110224k buffers
Swap: 19802108k total, 0k used, 19802108k free, 332336k cached
```

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

top - 18:52:28 up 2:30, 4 users, load average: 0.00, 0.18, 0.29
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.1%us, 0.0%sy, 0.0%ni, 99.8%id, 0.0%wa, 0.0%hi, 0.2%si, 0.0%st
Mem: 8148056k total, 647624k used, 7500432k free, 110224k buffers
Swap: 19802108k total, 0k used, 19802108k free, 332336k cached

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

top - 18:52:31 up 2:30, 4 users, load average: 0.00, 0.18, 0.29
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.7%us, 0.2%sy, 0.0%ni, 98.7%id, 0.2%wa, 0.0%hi, 0.2%si, 0.0%st
Mem: 8148056k total, 654940k used, 7493116k free, 110232k buffers
Swap: 19802108k total, 0k used, 19802108k free, 340520k cached

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

top - 18:52:34 up 2:30, 4 users, load average: 0.00, 0.18, 0.29
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.0%us, 0.0%sy, 0.0%ni, 99.9%id, 0.0%wa, 0.0%hi, 0.1%si, 0.0%st
Mem: 8148056k total, 654908k used, 7493148k free, 110232k buffers
Swap: 19802108k total, 0k used, 19802108k free, 340528k cached

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

top - 18:52:37 up 2:30, 4 users, load average: 0.00, 0.18, 0.29
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.0%us, 0.0%sy, 0.0%ni, 99.8%id, 0.1%wa, 0.0%hi, 0.1%si, 0.0%st
Mem: 8148056k total, 654876k used, 7493180k free, 110240k buffers
Swap: 19802108k total, 0k used, 19802108k free, 340520k cached

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

top - 18:52:40 up 2:30, 4 users, load average: 0.00, 0.18, 0.29
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.0%us, 0.0%sy, 0.0%ni, 100.0%id, 0.0%wa, 0.0%hi, 0.0%si, 0.0%st
Mem: 8148056k total, 654908k used, 7493148k free, 110240k buffers
Swap: 19802108k total, 0k used, 19802108k free, 340528k cached

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

top - 18:52:43 up 2:30, 4 users, load average: 0.00, 0.17, 0.29
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.0%us, 0.1%sy, 0.0%ni, 99.7%id, 0.2%wa, 0.0%hi, 0.1%si, 0.0%st

Mem: 8148056k total, 654876k used, 7493180k free, 110248k buffers
Swap: 19802108k total, 0k used, 19802108k free, 340520k cached

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

top - 18:52:46 up 2:30, 4 users, load average: 0.00, 0.17, 0.29
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.0%us, 0.0%sy, 0.0%ni, 100.0%id, 0.0%wa, 0.0%hi, 0.0%si, 0.0%st
Mem: 8148056k total, 654844k used, 7493212k free, 110248k buffers
Swap: 19802108k total, 0k used, 19802108k free, 340528k cached

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

top - 18:52:49 up 2:30, 4 users, load average: 0.00, 0.17, 0.29
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.0%us, 0.0%sy, 0.0%ni, 99.8%id, 0.2%wa, 0.0%hi, 0.0%si, 0.0%st
Mem: 8148056k total, 654908k used, 7493148k free, 110256k buffers
Swap: 19802108k total, 0k used, 19802108k free, 340524k cached

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

top - 18:52:52 up 2:30, 4 users, load average: 0.00, 0.17, 0.29
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.0%us, 0.0%sy, 0.0%ni, 99.8%id, 0.0%wa, 0.0%hi, 0.2%si, 0.0%st
Mem: 8148056k total, 654908k used, 7493148k free, 110256k buffers
Swap: 19802108k total, 0k used, 19802108k free, 340532k cached

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

top - 18:52:55 up 2:30, 4 users, load average: 0.00, 0.17, 0.29
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.0%us, 0.0%sy, 0.0%ni, 99.7%id, 0.3%wa, 0.0%hi, 0.0%si, 0.0%st
Mem: 8148056k total, 654908k used, 7493148k free, 110264k buffers
Swap: 19802108k total, 0k used, 19802108k free, 340528k cached

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

top - 18:52:58 up 2:30, 4 users, load average: 0.00, 0.16, 0.28
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.0%us, 0.0%sy, 0.0%ni, 100.0%id, 0.0%wa, 0.0%hi, 0.0%si, 0.0%st
Mem: 8148056k total, 654908k used, 7493148k free, 110264k buffers
Swap: 19802108k total, 0k used, 19802108k free, 340532k cached

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

top - 18:53:01 up 2:30, 4 users, load average: 0.00, 0.16, 0.28


```

Tasks:   1 total,    0 running,    1 sleeping,    0 stopped,    0 zombie
Cpu(s):  0.2%us,   0.1%sy,   0.0%ni, 99.2%id,   0.4%wa,   0.0%hi,   0.2%si,
0.0%st
Mem:    8148056k total,    647004k used,    7501052k free,    110272k buffers
Swap: 19802108k total,         0k used, 19802108k free,    332360k cached

```

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

```

top - 18:53:04 up  2:30,   4 users,   load average: 0.00, 0.16, 0.28
Tasks:   1 total,    0 running,    1 sleeping,    0 stopped,    0 zombie
Cpu(s):  0.3%us,   0.0%sy,   0.0%ni, 99.5%id,   0.0%wa,   0.0%hi,   0.2%si,
0.0%st
Mem:    8148056k total,    646996k used,    7501060k free,    110272k buffers
Swap: 19802108k total,         0k used, 19802108k free,    332368k cached

```

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

```

top - 18:53:07 up  2:30,   4 users,   load average: 0.00, 0.16, 0.28
Tasks:   1 total,    0 running,    1 sleeping,    0 stopped,    0 zombie
Cpu(s):  0.0%us,   0.1%sy,   0.0%ni, 99.5%id,   0.3%wa,   0.0%hi,   0.1%si,
0.0%st
Mem:    8148056k total,    646940k used,    7501116k free,    110280k buffers
Swap: 19802108k total,         0k used, 19802108k free,    332364k cached

```

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

```

top - 18:53:10 up  2:30,   4 users,   load average: 0.00, 0.16, 0.28
Tasks:   1 total,    0 running,    1 sleeping,    0 stopped,    0 zombie
Cpu(s):  0.0%us,   0.0%sy,   0.0%ni, 99.9%id,   0.0%wa,   0.0%hi,   0.1%si,
0.0%st
Mem:    8148056k total,    647004k used,    7501052k free,    110280k buffers
Swap: 19802108k total,         0k used, 19802108k free,    332368k cached

```

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

```

top - 18:53:13 up  2:30,   4 users,   load average: 0.00, 0.16, 0.28
Tasks:   1 total,    0 running,    1 sleeping,    0 stopped,    0 zombie
Cpu(s):  0.0%us,   0.1%sy,   0.0%ni, 99.5%id,   0.3%wa,   0.0%hi,   0.1%si,
0.0%st
Mem:    8148056k total,    647004k used,    7501052k free,    110288k buffers
Swap: 19802108k total,         0k used, 19802108k free,    332368k cached

```

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

```

top - 18:53:16 up  2:30,   4 users,   load average: 0.00, 0.15, 0.28
Tasks:   1 total,    0 running,    1 sleeping,    0 stopped,    0 zombie
Cpu(s):  0.0%us,   0.0%sy,   0.0%ni, 99.9%id,   0.0%wa,   0.0%hi,   0.1%si,
0.0%st
Mem:    8148056k total,    646972k used,    7501084k free,    110288k buffers
Swap: 19802108k total,         0k used, 19802108k free,    332372k cached

```

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

```
top - 18:53:19 up 2:31, 4 users, load average: 0.00, 0.15, 0.28
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.0%us, 0.0%sy, 0.0%ni, 99.8%id, 0.0%wa, 0.0%hi, 0.2%si,
0.0%st
Mem: 8148056k total, 647004k used, 7501052k free, 110292k buffers
Swap: 19802108k total, 0k used, 19802108k free, 332368k cached
```

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

```
top - 18:53:22 up 2:31, 4 users, load average: 0.00, 0.15, 0.28
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.0%us, 0.0%sy, 0.0%ni, 99.8%id, 0.2%wa, 0.0%hi, 0.0%si,
0.0%st
Mem: 8148056k total, 646972k used, 7501084k free, 110296k buffers
Swap: 19802108k total, 0k used, 19802108k free, 332372k cached
```

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

```
top - 18:53:25 up 2:31, 4 users, load average: 0.00, 0.15, 0.28
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.0%us, 0.1%sy, 0.0%ni, 99.8%id, 0.0%wa, 0.0%hi, 0.2%si,
0.0%st
Mem: 8148056k total, 646972k used, 7501084k free, 110296k buffers
Swap: 19802108k total, 0k used, 19802108k free, 332372k cached
```

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

```
top - 18:53:28 up 2:31, 4 users, load average: 0.00, 0.15, 0.27
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.0%us, 0.0%sy, 0.0%ni, 99.5%id, 0.3%wa, 0.0%hi, 0.2%si,
0.0%st
Mem: 8148056k total, 646940k used, 7501116k free, 110304k buffers
Swap: 19802108k total, 0k used, 19802108k free, 332372k cached
```

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

```
top - 18:53:31 up 2:31, 4 users, load average: 0.00, 0.15, 0.27
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.0%us, 0.1%sy, 0.0%ni, 99.7%id, 0.0%wa, 0.0%hi, 0.2%si,
0.0%st
Mem: 8148056k total, 647004k used, 7501052k free, 110304k buffers
Swap: 19802108k total, 0k used, 19802108k free, 332372k cached
```

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

```
top - 18:53:34 up 2:31, 4 users, load average: 0.00, 0.15, 0.27
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.0%us, 0.0%sy, 0.0%ni, 100.0%id, 0.0%wa, 0.0%hi, 0.0%si,
0.0%st
Mem: 8148056k total, 646972k used, 7501084k free, 110304k buffers
Swap: 19802108k total, 0k used, 19802108k free, 332376k cached
```

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

top - 18:53:37 up 2:31, 4 users, load average: 0.00, 0.14, 0.27
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.0%us, 0.0%sy, 0.0%ni, 99.4%id, 0.4%wa, 0.0%hi, 0.2%si, 0.0%st
Mem: 8148056k total, 646972k used, 7501084k free, 110312k buffers
Swap: 19802108k total, 0k used, 19802108k free, 332376k cached

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

top - 18:53:40 up 2:31, 4 users, load average: 0.00, 0.14, 0.27
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.0%us, 0.0%sy, 0.0%ni, 99.8%id, 0.0%wa, 0.0%hi, 0.2%si, 0.0%st
Mem: 8148056k total, 646940k used, 7501116k free, 110312k buffers
Swap: 19802108k total, 0k used, 19802108k free, 332376k cached

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

top - 18:53:43 up 2:31, 4 users, load average: 0.00, 0.14, 0.27
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.0%us, 0.1%sy, 0.0%ni, 99.8%id, 0.0%wa, 0.0%hi, 0.1%si, 0.0%st
Mem: 8148056k total, 646972k used, 7501084k free, 110320k buffers
Swap: 19802108k total, 0k used, 19802108k free, 332368k cached

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

top - 18:53:46 up 2:31, 4 users, load average: 0.00, 0.14, 0.27
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.0%us, 0.0%sy, 0.0%ni, 99.9%id, 0.1%wa, 0.0%hi, 0.0%si, 0.0%st
Mem: 8148056k total, 647004k used, 7501052k free, 110320k buffers
Swap: 19802108k total, 0k used, 19802108k free, 332376k cached

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

top - 18:53:49 up 2:31, 4 users, load average: 0.00, 0.14, 0.27
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.0%us, 0.0%sy, 0.0%ni, 100.0%id, 0.0%wa, 0.0%hi, 0.0%si, 0.0%st
Mem: 8148056k total, 646940k used, 7501116k free, 110328k buffers
Swap: 19802108k total, 0k used, 19802108k free, 332368k cached

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

top - 18:53:52 up 2:31, 4 users, load average: 0.00, 0.14, 0.27
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie

```
Cpu(s):  0.0%us,  0.0%sy,  0.0%ni, 99.5%id,  0.3%wa,  0.0%hi,  0.3%si,
0.0%st
Mem:   8148056k total,    646972k used,   7501084k free,    110328k buffers
Swap: 19802108k total,         0k used, 19802108k free,    332376k cached
```

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

```
top - 18:53:55 up  2:31,  4 users,  load average: 0.00, 0.14, 0.27
Tasks:  1 total,  0 running,  1 sleeping,  0 stopped,  0 zombie
Cpu(s):  0.1%us,  0.0%sy,  0.0%ni, 99.8%id,  0.0%wa,  0.0%hi,  0.1%si,
0.0%st
Mem:   8148056k total,    646972k used,   7501084k free,    110336k buffers
Swap: 19802108k total,         0k used, 19802108k free,    332368k cached
```

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

```
top - 18:53:58 up  2:31,  4 users,  load average: 0.00, 0.13, 0.27
Tasks:  1 total,  0 running,  1 sleeping,  0 stopped,  0 zombie
Cpu(s):  0.0%us,  0.1%sy,  0.0%ni, 99.6%id,  0.3%wa,  0.0%hi,  0.0%si,
0.0%st
Mem:   8148056k total,    647004k used,   7501052k free,    110336k buffers
Swap: 19802108k total,         0k used, 19802108k free,    332380k cached
```

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

```
top - 18:54:01 up  2:31,  4 users,  load average: 0.00, 0.13, 0.26
Tasks:  1 total,  0 running,  1 sleeping,  0 stopped,  0 zombie
Cpu(s):  0.1%us,  0.0%sy,  0.0%ni, 99.5%id,  0.3%wa,  0.0%hi,  0.1%si,
0.0%st
Mem:   8148056k total,    647004k used,   7501052k free,    110344k buffers
Swap: 19802108k total,         0k used, 19802108k free,    332372k cached
```

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

```
top - 18:54:04 up  2:31,  4 users,  load average: 0.00, 0.13, 0.26
Tasks:  1 total,  0 running,  1 sleeping,  0 stopped,  0 zombie
Cpu(s):  0.0%us,  0.0%sy,  0.0%ni, 99.9%id,  0.1%wa,  0.0%hi,  0.0%si,
0.0%st
Mem:   8148056k total,    646972k used,   7501084k free,    110344k buffers
Swap: 19802108k total,         0k used, 19802108k free,    332380k cached
```

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

```
top - 18:54:07 up  2:31,  4 users,  load average: 0.00, 0.13, 0.26
Tasks:  1 total,  0 running,  1 sleeping,  0 stopped,  0 zombie
Cpu(s):  0.0%us,  0.0%sy,  0.0%ni, 99.6%id,  0.2%wa,  0.0%hi,  0.2%si,
0.0%st
Mem:   8148056k total,    647004k used,   7501052k free,    110352k buffers
Swap: 19802108k total,         0k used, 19802108k free,    332372k cached
```

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

```
top - 18:54:10 up 2:31, 4 users, load average: 0.00, 0.13, 0.26
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.0%us, 0.0%sy, 0.0%ni, 99.9%id, 0.0%wa, 0.0%hi, 0.1%si,
0.0%st
Mem: 8148056k total, 646972k used, 7501084k free, 110352k buffers
Swap: 19802108k total, 0k used, 19802108k free, 332380k cached
```

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

```
top - 18:54:13 up 2:31, 4 users, load average: 0.00, 0.13, 0.26
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.0%us, 0.0%sy, 0.0%ni, 99.8%id, 0.2%wa, 0.0%hi, 0.1%si,
0.0%st
Mem: 8148056k total, 647004k used, 7501052k free, 110360k buffers
Swap: 19802108k total, 0k used, 19802108k free, 332372k cached
```

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

```
top - 18:54:16 up 2:31, 4 users, load average: 0.00, 0.13, 0.26
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.0%us, 0.0%sy, 0.0%ni, 99.8%id, 0.0%wa, 0.0%hi, 0.2%si,
0.0%st
Mem: 8148056k total, 647004k used, 7501052k free, 110360k buffers
Swap: 19802108k total, 0k used, 19802108k free, 332380k cached
```

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

```
top - 18:54:19 up 2:32, 4 users, load average: 0.00, 0.13, 0.26
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.0%us, 0.0%sy, 0.0%ni, 99.7%id, 0.2%wa, 0.0%hi, 0.1%si,
0.0%st
Mem: 8148056k total, 646908k used, 7501148k free, 110368k buffers
Swap: 19802108k total, 0k used, 19802108k free, 332372k cached
```

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

```
top - 18:54:22 up 2:32, 4 users, load average: 0.00, 0.12, 0.26
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.0%us, 0.0%sy, 0.0%ni, 99.9%id, 0.0%wa, 0.0%hi, 0.1%si,
0.0%st
Mem: 8148056k total, 647004k used, 7501052k free, 110368k buffers
Swap: 19802108k total, 0k used, 19802108k free, 332384k cached
```

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

```
top - 18:54:25 up 2:32, 4 users, load average: 0.00, 0.12, 0.26
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.0%us, 0.1%sy, 0.0%ni, 99.5%id, 0.3%wa, 0.0%hi, 0.1%si,
0.0%st
Mem: 8148056k total, 646940k used, 7501116k free, 110376k buffers
Swap: 19802108k total, 0k used, 19802108k free, 332376k cached
```

```

PID USER      PR  NI  VIRT  RES  SHR S %CPU %MEM    TIME+  COMMAND
   1 root        20   0  2880  1700 1220 S    0  0.0    0:01.00  init

top - 18:54:28 up  2:32,  4 users,  load average: 0.00, 0.12, 0.26
Tasks:  1 total,   0 running,   1 sleeping,   0 stopped,   0 zombie
Cpu(s):  0.1%us,   0.0%sy,   0.0%ni, 99.8%id,   0.0%wa,   0.0%hi,   0.1%si,
0.0%st
Mem:   8148056k total,   646940k used,   7501116k free,   110376k buffers
Swap: 19802108k total,         0k used, 19802108k free,   332384k cached

PID USER      PR  NI  VIRT  RES  SHR S %CPU %MEM    TIME+  COMMAND
   1 root        20   0  2880  1700 1220 S    0  0.0    0:01.00  init

top - 18:54:31 up  2:32,  4 users,  load average: 0.00, 0.12, 0.26
Tasks:  1 total,   0 running,   1 sleeping,   0 stopped,   0 zombie
Cpu(s):  0.0%us,   0.0%sy,   0.0%ni, 99.7%id,   0.2%wa,   0.0%hi,   0.2%si,
0.0%st
Mem:   8148056k total,   646940k used,   7501116k free,   110384k buffers
Swap: 19802108k total,         0k used, 19802108k free,   332376k cached

PID USER      PR  NI  VIRT  RES  SHR S %CPU %MEM    TIME+  COMMAND
   1 root        20   0  2880  1700 1220 S    0  0.0    0:01.00  init

top - 18:54:34 up  2:32,  4 users,  load average: 0.00, 0.12, 0.26
Tasks:  1 total,   0 running,   1 sleeping,   0 stopped,   0 zombie
Cpu(s):  0.0%us,   0.0%sy,   0.0%ni,100.0%id,   0.0%wa,   0.0%hi,   0.0%si,
0.0%st
Mem:   8148056k total,   647004k used,   7501052k free,   110384k buffers
Swap: 19802108k total,         0k used, 19802108k free,   332384k cached

PID USER      PR  NI  VIRT  RES  SHR S %CPU %MEM    TIME+  COMMAND
   1 root        20   0  2880  1700 1220 S    0  0.0    0:01.00  init

top - 18:54:37 up  2:32,  4 users,  load average: 0.00, 0.12, 0.25
Tasks:  1 total,   0 running,   1 sleeping,   0 stopped,   0 zombie
Cpu(s):  0.0%us,   0.0%sy,   0.0%ni, 99.7%id,   0.2%wa,   0.0%hi,   0.2%si,
0.0%st
Mem:   8148056k total,   647004k used,   7501052k free,   110392k buffers
Swap: 19802108k total,         0k used, 19802108k free,   332376k cached

PID USER      PR  NI  VIRT  RES  SHR S %CPU %MEM    TIME+  COMMAND
   1 root        20   0  2880  1700 1220 S    0  0.0    0:01.00  init

top - 18:54:40 up  2:32,  4 users,  load average: 0.00, 0.12, 0.25
Tasks:  1 total,   0 running,   1 sleeping,   0 stopped,   0 zombie
Cpu(s):  0.0%us,   0.1%sy,   0.0%ni, 99.9%id,   0.0%wa,   0.0%hi,   0.0%si,
0.0%st
Mem:   8148056k total,   646972k used,   7501084k free,   110392k buffers
Swap: 19802108k total,         0k used, 19802108k free,   332384k cached

PID USER      PR  NI  VIRT  RES  SHR S %CPU %MEM    TIME+  COMMAND
   1 root        20   0  2880  1700 1220 S    0  0.0    0:01.00  init

top - 18:54:43 up  2:32,  4 users,  load average: 0.00, 0.12, 0.25
Tasks:  1 total,   0 running,   1 sleeping,   0 stopped,   0 zombie
Cpu(s):  0.0%us,   0.0%sy,   0.0%ni, 99.7%id,   0.2%wa,   0.0%hi,   0.1%si,
0.0%st

```

Mem: 8148056k total, 646972k used, 7501084k free, 110400k buffers
Swap: 19802108k total, 0k used, 19802108k free, 332376k cached

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

top - 18:54:46 up 2:32, 4 users, load average: 0.00, 0.11, 0.25
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.0%us, 0.1%sy, 0.0%ni, 99.9%id, 0.0%wa, 0.0%hi, 0.0%si, 0.0%st
Mem: 8148056k total, 646972k used, 7501084k free, 110400k buffers
Swap: 19802108k total, 0k used, 19802108k free, 332388k cached

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

top - 18:54:49 up 2:32, 4 users, load average: 0.00, 0.11, 0.25
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.1%us, 0.0%sy, 0.0%ni, 99.7%id, 0.2%wa, 0.0%hi, 0.1%si, 0.0%st
Mem: 8148056k total, 646972k used, 7501084k free, 110408k buffers
Swap: 19802108k total, 0k used, 19802108k free, 332380k cached

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

top - 18:54:52 up 2:32, 4 users, load average: 0.00, 0.11, 0.25
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.0%us, 0.0%sy, 0.0%ni, 99.8%id, 0.0%wa, 0.0%hi, 0.2%si, 0.0%st
Mem: 8148056k total, 646972k used, 7501084k free, 110408k buffers
Swap: 19802108k total, 0k used, 19802108k free, 332388k cached

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

top - 18:54:55 up 2:32, 4 users, load average: 0.00, 0.11, 0.25
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.0%us, 0.1%sy, 0.0%ni, 99.6%id, 0.3%wa, 0.0%hi, 0.0%si, 0.0%st
Mem: 8148056k total, 646844k used, 7501212k free, 110416k buffers
Swap: 19802108k total, 0k used, 19802108k free, 332380k cached

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

top - 18:54:58 up 2:32, 4 users, load average: 0.00, 0.11, 0.25
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.0%us, 0.0%sy, 0.0%ni, 99.8%id, 0.0%wa, 0.0%hi, 0.2%si, 0.0%st
Mem: 8148056k total, 647004k used, 7501052k free, 110416k buffers
Swap: 19802108k total, 0k used, 19802108k free, 332388k cached

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

top - 18:55:01 up 2:32, 4 users, load average: 0.00, 0.11, 0.25

```

Tasks:   1 total,    0 running,    1 sleeping,    0 stopped,    0 zombie
Cpu(s):  0.1%us,   0.0%sy,   0.0%ni, 99.5%id,   0.4%wa,   0.0%hi,   0.0%si,
0.0%st
Mem:    8148056k total,    646972k used,    7501084k free,    110424k buffers
Swap: 19802108k total,         0k used, 19802108k free,    332380k cached

```

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

```

top - 18:55:04 up  2:32,   4 users,   load average: 0.00, 0.11, 0.25
Tasks:   1 total,    0 running,    1 sleeping,    0 stopped,    0 zombie
Cpu(s):  0.0%us,   0.0%sy,   0.0%ni, 99.8%id,   0.0%wa,   0.0%hi,   0.2%si,
0.0%st
Mem:    8148056k total,    646972k used,    7501084k free,    110424k buffers
Swap: 19802108k total,         0k used, 19802108k free,    332388k cached

```

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

```

top - 18:55:07 up  2:32,   4 users,   load average: 0.00, 0.11, 0.25
Tasks:   1 total,    0 running,    1 sleeping,    0 stopped,    0 zombie
Cpu(s):  0.1%us,   0.0%sy,   0.0%ni, 99.6%id,   0.3%wa,   0.0%hi,   0.0%si,
0.0%st
Mem:    8148056k total,    646940k used,    7501116k free,    110432k buffers
Swap: 19802108k total,         0k used, 19802108k free,    332380k cached

```

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

```

top - 18:55:10 up  2:32,   4 users,   load average: 0.00, 0.11, 0.25
Tasks:   1 total,    0 running,    1 sleeping,    0 stopped,    0 zombie
Cpu(s):  0.0%us,   0.1%sy,   0.0%ni, 99.8%id,   0.0%wa,   0.0%hi,   0.1%si,
0.0%st
Mem:    8148056k total,    646972k used,    7501084k free,    110432k buffers
Swap: 19802108k total,         0k used, 19802108k free,    332392k cached

```

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

```

top - 18:55:13 up  2:32,   4 users,   load average: 0.16, 0.14, 0.25
Tasks:   1 total,    0 running,    1 sleeping,    0 stopped,    0 zombie
Cpu(s):  0.0%us,   0.0%sy,   0.0%ni, 99.4%id,   0.4%wa,   0.0%hi,   0.2%si,
0.0%st
Mem:    8148056k total,    646940k used,    7501116k free,    110440k buffers
Swap: 19802108k total,         0k used, 19802108k free,    332384k cached

```

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

```

top - 18:55:16 up  2:32,   4 users,   load average: 0.15, 0.14, 0.25
Tasks:   1 total,    0 running,    1 sleeping,    0 stopped,    0 zombie
Cpu(s):  0.0%us,   0.0%sy,   0.0%ni, 99.8%id,   0.0%wa,   0.0%hi,   0.2%si,
0.0%st
Mem:    8148056k total,    646972k used,    7501084k free,    110440k buffers
Swap: 19802108k total,         0k used, 19802108k free,    332392k cached

```

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |


```
top - 18:55:19 up 2:33, 4 users, load average: 0.15, 0.14, 0.25
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.0%us, 0.2%sy, 0.0%ni, 99.6%id, 0.2%wa, 0.0%hi, 0.1%si, 0.0%st
Mem: 8148056k total, 646972k used, 7501084k free, 110448k buffers
Swap: 19802108k total, 0k used, 19802108k free, 332384k cached
```

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

```
top - 18:55:22 up 2:33, 4 users, load average: 0.30, 0.17, 0.26
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.0%us, 0.0%sy, 0.0%ni, 99.7%id, 0.0%wa, 0.0%hi, 0.3%si, 0.0%st
Mem: 8148056k total, 647004k used, 7501052k free, 110448k buffers
Swap: 19802108k total, 0k used, 19802108k free, 332392k cached
```

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

```
top - 18:55:25 up 2:33, 4 users, load average: 0.30, 0.17, 0.26
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.0%us, 0.0%sy, 0.0%ni, 99.7%id, 0.3%wa, 0.0%hi, 0.0%si, 0.0%st
Mem: 8148056k total, 646972k used, 7501084k free, 110456k buffers
Swap: 19802108k total, 0k used, 19802108k free, 332384k cached
```

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

```
top - 18:55:28 up 2:33, 4 users, load average: 0.27, 0.16, 0.26
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 1.7%us, 0.2%sy, 0.0%ni, 97.8%id, 0.0%wa, 0.0%hi, 0.2%si, 0.0%st
Mem: 8148056k total, 658500k used, 7489556k free, 110456k buffers
Swap: 19802108k total, 0k used, 19802108k free, 341572k cached
```

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |

```
top - 18:55:31 up 2:33, 4 users, load average: 0.33, 0.18, 0.27
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
Cpu(s): 3.8%us, 0.3%sy, 0.0%ni, 95.1%id, 0.5%wa, 0.0%hi, 0.3%si, 0.0%st
Mem: 8148056k total, 656500k used, 7491556k free, 110464k buffers
Swap: 19802108k total, 0k used, 19802108k free, 341308k cached
```

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|------|----|----|------|------|------|---|------|------|---------|---------|
| 1 | root | 20 | 0 | 2880 | 1700 | 1220 | S | 0 | 0.0 | 0:01.00 | init |